

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071921\
 Data File : VW019503.D
 Acq On : 19 Jul 2021 12:31
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW071921

Manual Integrations
 APPROVED

MMDadoda
 7/20/2021 5:40:27 PM

Quant Time: Jul 20 04:42:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W071921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 20 04:37:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.951	168	292888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	481291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	442064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	207175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	150566	53.439	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.880%			
35) Dibromofluoromethane	7.890	113	140183	47.673	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.340%			
50) Toluene-d8	10.323	98	529077	46.472	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.940%			
62) 4-Bromofluorobenzene	12.621	95	203847	47.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.013	85	106026	50.774	ug/l	98
3) Chloromethane	2.221	50	127180	50.249	ug/l	97
4) Vinyl Chloride	2.367	62	172679	50.053	ug/l	98
5) Bromomethane	2.788	94	103871	52.172	ug/l	99
6) Chloroethane	2.928	64	99965	51.111	ug/l	98
7) Trichlorofluoromethane	3.263	101	115236	52.403	ug/l	98
8) Diethyl Ether	3.690	74	89728	52.190	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.074	101	158262	51.163	ug/l	98
10) Methyl Iodide	4.287	142	206234	51.203	ug/l	99
11) Tert butyl alcohol	5.202	59	54048	270.758	ug/l	99
12) 1,1-Dichloroethene	4.050	96	166614	51.755	ug/l	99
13) Acrolein	3.903	56	45126	231.762	ug/l	97
14) Allyl chloride	4.671	41	241437	52.216	ug/l	100
15) Acrylonitrile	5.373	53	187796	255.944	ug/l	99
16) Acetone	4.141	43	138669	260.325	ug/l	95
17) Carbon Disulfide	4.391	76	469667	51.002	ug/l	99
18) Methyl Acetate	4.678	43	85021	48.063	ug/l	100
19) Methyl tert-butyl Ether	5.434	73	238297	52.633	ug/l	100
20) Methylene Chloride	4.921	84	187058	53.835	ug/l	98
21) trans-1,2-Dichloroethene	5.427	96	181018	51.653	ug/l	97
22) Diisopropyl ether	6.311	45	519466	52.504	ug/l	95
23) Vinyl Acetate	6.257	43	1596391	268.756	ug/l	99
24) 1,1-Dichloroethane	6.220	63	336888	50.985	ug/l	100
25) 2-Butanone	7.177	43	230807	251.888	ug/l	95
26) 2,2-Dichloropropane	7.171	77	176407	50.147	ug/l	98
27) cis-1,2-Dichloroethene	7.171	96	201836	51.628	ug/l	99
28) Bromochloromethane	7.519	49	127325	48.258	ug/l	100
29) Tetrahydrofuran	7.537	42	154560	253.909	ug/l	99
30) Chloroform	7.683	83	331147	51.284	ug/l	99
31) Cyclohexane	7.957	56	298009	48.422	ug/l	96
32) 1,1,1-Trichloroethane	7.878	97	247351	51.581	ug/l	98
36) 1,1-Dichloropropene	8.085	75	263205	51.298	ug/l	99
37) Ethyl Acetate	7.256	43	106065	49.325	ug/l	98
38) Carbon Tetrachloride	8.073	117	226789	50.596	ug/l	98
39) Methylcyclohexane	9.341	83	321672	52.746	ug/l	96
40) Benzene	8.329	78	736624	51.296	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	69317	56.777	ug/l	99
42) 1,2-Dichloroethane	8.403	62	208539	50.335	ug/l	99
43) Isopropyl Acetate	8.427	43	209669	52.158	ug/l	100
44) Trichloroethene	9.098	130	184161	50.889	ug/l	91
45) 1,2-Dichloropropane	9.372	63	185387	51.118	ug/l	99
46) Dibromomethane	9.463	93	92095	50.061	ug/l	96
47) Bromodichloromethane	9.646	83	239285	51.784	ug/l	99
48) Methyl methacrylate	9.439	41	94894	51.522	ug/l	99
49) 1,4-Dioxane	9.469	88	26693	980.759	ug/l #	99
51) 4-Methyl-2-Pentanone	10.213	43	535108	258.074	ug/l	100
52) Toluene	10.390	92	460575	51.669	ug/l	98
53) t-1,3-Dichloropropene	10.609	75	246652	52.329	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	293377	52.309	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	131847	50.887	ug/l	97
56) Ethyl methacrylate	10.646	69	185253	54.606	ug/l	100
57) 1,3-Dichloropropane	10.933	76	240646	51.352	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	382327	243.513	ug/l	99
59) 2-Hexanone	10.969	43	359519	261.340	ug/l	99
60) Dibromochloromethane	11.128	129	145412	51.081	ug/l	99
61) 1,2-Dibromoethane	11.237	107	127758	52.233	ug/l	97
64) Tetrachloroethene	10.865	164	145941	49.155	ug/l	96
65) Chlorobenzene	11.658	112	467253	49.690	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	164610	50.893	ug/l	99
67) Ethyl Benzene	11.731	91	879392	51.087	ug/l	98
68) m/p-Xylenes	11.841	106	658927	100.136	ug/l	95
69) o-Xylene	12.164	106	321682	52.290	ug/l	98
70) Styrene	12.182	104	545025	52.445	ug/l	99
71) Bromoform	12.347	173	80422	49.872	ug/l #	91
73) Isopropylbenzene	12.463	105	847187	53.821	ug/l	100
74) N-amyl acetate	12.274	43	195469	54.274	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	152276	51.439	ug/l	100
76) 1,2,3-Trichloropropane	12.768	75	104021m	50.803	ug/l	
77) Bromobenzene	12.743	156	190205	53.604	ug/l	98
78) n-propylbenzene	12.804	91	1043605	53.029	ug/l	99
79) 2-Chlorotoluene	12.896	91	606800	52.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	722794	53.848	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	48019	53.446	ug/l	99
82) 4-Chlorotoluene	12.987	91	618696	51.708	ug/l	98
83) tert-Butylbenzene	13.207	119	614876	53.994	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	718988	53.525	ug/l	99
85) sec-Butylbenzene	13.383	105	932642	53.283	ug/l	100
86) p-Isopropyltoluene	13.499	119	750844	52.056	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	374125	51.514	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	365170	50.798	ug/l	100
89) n-Butylbenzene	13.822	91	742469	52.582	ug/l	99
90) Hexachloroethane	14.091	117	134306	52.818	ug/l	100
91) 1,2-Dichlorobenzene	13.871	146	333582	52.224	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	25078	51.094	ug/l	98
93) 1,2,4-Trichlorobenzene	15.127	180	222539	51.612	ug/l	99
94) Hexachlorobutadiene	15.231	225	121415	49.775	ug/l	95
95) Naphthalene	15.365	128	433813	54.933	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	192293	51.019	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
7/20/2021 5:40:27 PM

Abundance

TIC: VW019503.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

2700000
2600000
2500000
2400000
2300000
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1200000
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1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
1,1,2,2-Tetrachloroethane, T
Methyl iodide, T
Carbon Disulfide, T
Methyl chloride, T
Methylene chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methylcyclohexane, T
1,1-Dichloroethane, T
Vinyl acetate, T
Diisopropyl ether, T
Ethyl acetate, T
2,2,4,4-Tetrachlorobutane, T
Methacrylonitrile, T
Chloroform, C
Dibromodichloromethane, T
Cyclohexane, T
Cyclohexene, T
1,2-Dichloroethane, TM
Isobutylene, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,4-Dichlorobenzene, T
1,2-Dichloropropane, T
Bromodichloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Toluene, CM
Toluene, CM
Ethyl hexachloropropene, T
1,1,2,2-Tetrachloroethane, T
1,2-Dichloropropane, T
1,3-Dichloropropane, T
Dibromodichloromethane, T
1,2-Dibromodichloroethane, T
Chlorobenzene, T
Chlorobenzene, T
Ethyl acetate, T
N-amyl acetate, T
Bromofarm, P
trans-1,4-Dichloro-2-butene, T
1,1,2,2-Tetrachloroethane, T
Bromobenzene, T
2-Chlorobenzene, T
4-Chlorobenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2,4-Trimethylbenzene, T
n-Propylbenzene, T
1,3,5-Trimethylbenzene, T
Isopropylbenzene, T
Styrene, T
p-Butylbenzene, T
1,2,4-Trimethylbenzene, T
p-Butylbenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
Naphthalene, T
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
1,2,3-Trichlorobenzene, T