

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071921\
 Data File : VW019499.D
 Acq On : 19 Jul 2021 10:31
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/20/2021 5:40:21 PM

Quant Time: Jul 20 04:26:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W071921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 20 04:18:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	292987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	482999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	434022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	212431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	69814	21.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	42.920%#
35) Dibromofluoromethane	7.891	113	63700	21.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	43.180%#
50) Toluene-d8	10.323	98	253611	22.197	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	44.400%#
62) 4-Bromofluorobenzene	12.615	95	93098	21.723	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	43.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	40254	19.270	ug/l	99
3) Chloromethane	2.215	50	47393	18.719	ug/l	93
4) Vinyl Chloride	2.367	62	68406	19.822	ug/l	100
5) Bromomethane	2.782	94	38877	19.520	ug/l	99
6) Chloroethane	2.928	64	38878	19.871	ug/l	94
7) Trichlorofluoromethane	3.257	101	41992	19.089	ug/l	98
8) Diethyl Ether	3.690	74	34345	19.970	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.074	101	64962	20.994	ug/l	97
10) Methyl Iodide	4.281	142	82198	20.401	ug/l	98
11) Tert butyl alcohol	5.196	59	24068	105.169	ug/l	96
12) 1,1-Dichloroethene	4.050	96	65139	20.227	ug/l	98
13) Acrolein	3.897	56	19231	98.735	ug/l	98
14) Allyl chloride	4.672	41	93231	20.157	ug/l	99
15) Acrylonitrile	5.373	53	71371	97.238	ug/l	100
16) Acetone	4.141	43	51011	95.731	ug/l	99
17) Carbon Disulfide	4.391	76	184178	19.993	ug/l	97
18) Methyl Acetate	4.678	43	33227	18.777	ug/l	100
19) Methyl tert-butyl Ether	5.434	73	90392	19.958	ug/l	99
20) Methylene Chloride	4.922	84	81345	20.465	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	71371	20.359	ug/l	93
22) Diisopropyl ether	6.318	45	207725	20.988	ug/l	99
23) Vinyl Acetate	6.257	43	598712	100.761	ug/l	99
24) 1,1-Dichloroethane	6.220	63	136559	20.660	ug/l	100
25) 2-Butanone	7.177	43	89024	97.122	ug/l	99
26) 2,2-Dichloropropane	7.171	77	73747	20.957	ug/l	100
27) cis-1,2-Dichloroethene	7.171	96	80466	20.575	ug/l	98
28) Bromochloromethane	7.519	49	55502	21.029	ug/l	99
29) Tetrahydrofuran	7.537	42	59281	97.353	ug/l	99
30) Chloroform	7.677	83	132860	20.569	ug/l	97
31) Cyclohexane	7.958	56	126608	20.565	ug/l	98
32) 1,1,1-Trichloroethane	7.872	97	98542	20.542	ug/l	99
36) 1,1-Dichloropropene	8.086	75	107205	20.820	ug/l	99
37) Ethyl Acetate	7.257	43	41318	19.147	ug/l	99
38) Carbon Tetrachloride	8.073	117	93144	20.707	ug/l	97
39) Methylcyclohexane	9.335	83	127801	20.882	ug/l	100
40) Benzene	8.330	78	302465	20.988	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	22945	18.728	ug/l	90
42) 1,2-Dichloroethane	8.403	62	84978	20.438	ug/l	99
43) Isopropyl Acetate	8.427	43	79220	19.637	ug/l	100
44) Trichloroethene	9.092	130	75332	20.743	ug/l	98
45) 1,2-Dichloropropane	9.372	63	76436	21.002	ug/l	95
46) Dibromomethane	9.463	93	37112	20.102	ug/l	99
47) Bromodichloromethane	9.646	83	95378	20.568	ug/l	98
48) Methyl methacrylate	9.439	41	34809	18.832	ug/l	98
49) 1,4-Dioxane	9.470	88	10554	386.406	ug/l #	98
51) 4-Methyl-2-Pentanone	10.213	43	203851	97.966	ug/l	98
52) Toluene	10.390	92	187411	20.950	ug/l	99
53) t-1,3-Dichloropropene	10.610	75	96015	20.298	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	116461	20.692	ug/l	99
55) 1,1,2-Trichloroethane	10.786	97	52610	20.233	ug/l	99
56) Ethyl methacrylate	10.646	69	66656	19.578	ug/l	98
57) 1,3-Dichloropropane	10.933	76	95853	20.382	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	158408	100.537	ug/l	99
59) 2-Hexanone	10.969	43	134630	97.519	ug/l	97
60) Dibromochloromethane	11.128	129	57645	20.178	ug/l	96
61) 1,2-Dibromoethane	11.238	107	49305	20.087	ug/l	99
64) Tetrachloroethene	10.866	164	60965	20.914	ug/l	96
65) Chlorobenzene	11.658	112	193500	20.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	65036	20.480	ug/l	97
67) Ethyl Benzene	11.731	91	358630	21.220	ug/l	98
68) m/p-Xylenes	11.841	106	276645	42.820	ug/l	99
69) o-Xylene	12.164	106	128578	21.288	ug/l	98
70) Styrene	12.182	104	213982	20.972	ug/l	99
71) Bromoform	12.347	173	30701	19.391	ug/l #	94
73) Isopropylbenzene	12.463	105	339108	21.010	ug/l	100
74) N-amyl acetate	12.274	43	72149	19.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	61039	20.109	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	41491m	19.762	ug/l	
77) Bromobenzene	12.749	156	75445	20.736	ug/l	99
78) n-propylbenzene	12.804	91	432917	21.454	ug/l	99
79) 2-Chlorotoluene	12.890	91	249583	21.036	ug/l	96
80) 1,3,5-Trimethylbenzene	12.945	105	295263	21.453	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	18033	19.575	ug/l	96
82) 4-Chlorotoluene	12.987	91	258944	21.106	ug/l	100
83) tert-Butylbenzene	13.207	119	250046	21.414	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	296698	21.541	ug/l	100
85) sec-Butylbenzene	13.384	105	384226	21.408	ug/l	99
86) p-Isopropyltoluene	13.499	119	309824	20.949	ug/l	100
87) 1,3-Dichlorobenzene	13.499	146	157083	21.094	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	154322	20.936	ug/l	98
89) n-Butylbenzene	13.822	91	309386	21.369	ug/l	98
90) Hexachloroethane	14.091	117	52376	20.088	ug/l	98
91) 1,2-Dichlorobenzene	13.871	146	135980	20.762	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	9805	19.482	ug/l	98
93) 1,2,4-Trichlorobenzene	15.133	180	89085	20.150	ug/l	98
94) Hexachlorobutadiene	15.231	225	50249	20.090	ug/l	99
95) Naphthalene	15.365	128	158570	19.583	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	76906	19.900	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

