

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090721\
 Data File : VW019981.D
 Acq On : 07 Sep 2021 12:06
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/8/2021 7:11:47 PM

Quant Time: Sep 08 10:49:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 08 10:47:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	193160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	310860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	281352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	142676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	43635	19.590	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.180%#		
35) Dibromofluoromethane	7.890	113	41331	20.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.660%#		
50) Toluene-d8	10.329	98	156641	20.715	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.440%#		
62) 4-Bromofluorobenzene	12.621	95	54254	19.625	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.013	85	21388	17.999	ug/l	99
3) Chloromethane	2.215	50	32497	18.765	ug/l	97
4) Vinyl Chloride	2.373	62	55633	19.774	ug/l	99
5) Bromomethane	2.782	94	44602	19.637	ug/l	98
6) Chloroethane	2.922	64	38173	19.625	ug/l	98
7) Trichlorofluoromethane	3.263	101	30055	18.450	ug/l	94
8) Diethyl Ether	3.690	74	18736	18.940	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.074	101	41615	19.892	ug/l	97
10) Methyl Iodide	4.281	142	56758	19.641	ug/l	99
11) Tert butyl alcohol	5.190	59	9647	99.349	ug/l	97
12) 1,1-Dichloroethene	4.050	96	38325	19.204	ug/l	93
13) Acrolein	3.897	56	8698	109.946	ug/l	98
14) Allyl chloride	4.678	41	51116	18.642	ug/l	99
15) Acrylonitrile	5.373	53	38564	95.399	ug/l	99
16) Acetone	4.135	43	32363	92.866	ug/l	93
17) Carbon Disulfide	4.397	76	116694	19.352	ug/l	100
18) Methyl Acetate	4.678	43	20242	19.867	ug/l	98
19) Methyl tert-butyl Ether	5.434	73	50259	19.375	ug/l	100
20) Methylene Chloride	4.921	84	52161	19.575	ug/l	97
21) trans-1,2-Dichloroethene	5.434	96	44257	19.519	ug/l	96
22) Diisopropyl ether	6.318	45	109971	19.123	ug/l	99
23) Vinyl Acetate	6.263	43	288157	92.720	ug/l	98
24) 1,1-Dichloroethane	6.220	63	78418	19.384	ug/l	98
25) 2-Butanone	7.177	43	46972	93.473	ug/l	99
26) 2,2-Dichloropropane	7.171	77	46969	19.255	ug/l	98
27) cis-1,2-Dichloroethene	7.177	96	46417	19.251	ug/l	99
28) Bromochloromethane	7.512	49	29670	18.585	ug/l	98
29) Tetrahydrofuran	7.537	42	29489	94.294	ug/l	99
30) Chloroform	7.683	83	82311	19.227	ug/l	98
31) Cyclohexane	7.964	56	70005	19.048	ug/l	99
32) 1,1,1-Trichloroethane	7.878	97	67679	19.457	ug/l	99
36) 1,1-Dichloropropene	8.086	75	64517	19.488	ug/l	99
37) Ethyl Acetate	7.256	43	23638	20.183	ug/l	98
38) Carbon Tetrachloride	8.073	117	65309	19.670	ug/l	96
39) Methylcyclohexane	9.335	83	71919	18.794	ug/l	99
40) Benzene	8.329	78	177581	19.655	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	12344	19.392	ug/l	97
42) 1,2-Dichloroethane	8.403	62	52417	19.044	ug/l	99
43) Isopropyl Acetate	8.427	43	41426	18.462	ug/l	99
44) Trichloroethene	9.098	130	46397	19.422	ug/l	98
45) 1,2-Dichloropropane	9.372	63	42672	19.424	ug/l	97
46) Dibromomethane	9.463	93	24185	19.650	ug/l	99
47) Bromodichloromethane	9.646	83	58772	19.131	ug/l	97
48) Methyl methacrylate	9.439	41	17823	18.208	ug/l	96
49) 1,4-Dioxane	9.463	88	5413	342.756	ug/l #	92
51) 4-Methyl-2-Pentanone	10.213	43	111198	96.099	ug/l	99
52) Toluene	10.390	92	111015	19.398	ug/l	99
53) t-1,3-Dichloropropene	10.609	75	54352	18.456	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	65303	18.939	ug/l	98
55) 1,1,2-Trichloroethane	10.792	97	31876	19.147	ug/l	94
56) Ethyl methacrylate	10.646	69	33522	17.824	ug/l	100
57) 1,3-Dichloropropane	10.933	76	55551	19.434	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	91706	108.935	ug/l	98
59) 2-Hexanone	10.969	43	73985	95.283	ug/l	98
60) Dibromochloromethane	11.128	129	36045	18.728	ug/l	99
61) 1,2-Dibromoethane	11.237	107	30148	19.446	ug/l	99
64) Tetrachloroethene	10.866	164	38286	19.584	ug/l	96
65) Chlorobenzene	11.658	112	116573	19.354	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	41558	19.216	ug/l	98
67) Ethyl Benzene	11.731	91	209018	19.473	ug/l	100
68) m/p-Xylenes	11.841	106	165437	39.050	ug/l	99
69) o-Xylene	12.164	106	75392	19.407	ug/l	97
70) Styrene	12.182	104	127779	19.442	ug/l	98
71) Bromoform	12.347	173	19379	18.465	ug/l #	97
73) Isopropylbenzene	12.463	105	196525	19.181	ug/l	98
74) N-amyl acetate	12.274	43	38044	18.388	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.713	83	36303	19.747	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	24940m	19.693	ug/l	
77) Bromobenzene	12.749	156	47364	20.026	ug/l	97
78) n-propylbenzene	12.804	91	255483	19.824	ug/l	98
79) 2-Chlorotoluene	12.890	91	147137	19.658	ug/l	100
80) 1,3,5-Trimethylbenzene	12.944	105	177010	19.669	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	10774	19.552	ug/l	97
82) 4-Chlorotoluene	12.987	91	155329	19.700	ug/l	99
83) tert-Butylbenzene	13.207	119	149241	19.777	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	176043	19.910	ug/l	97
85) sec-Butylbenzene	13.383	105	222918	19.435	ug/l	100
86) p-Isopropyltoluene	13.499	119	187752	19.503	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	101802	20.221	ug/l	97
88) 1,4-Dichlorobenzene	13.578	146	98596	19.881	ug/l	100
89) n-Butylbenzene	13.822	91	179081	19.340	ug/l	99
90) Hexachloroethane	14.091	117	35226	19.057	ug/l	99
91) 1,2-Dichlorobenzene	13.871	146	84576	19.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	5688	19.174	ug/l	99
93) 1,2,4-Trichlorobenzene	15.133	180	53618	20.314	ug/l	98
94) Hexachlorobutadiene	15.231	225	30942	19.533	ug/l	95
95) Naphthalene	15.365	128	87040	19.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	46213	19.969	ug/l	98

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

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