

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069557.D
 Acq On : 25 Jun 2021 11:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda

6/28/2021 11:57:27 AM

Quant Time: Jun 26 03:35:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	673768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1147256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1045530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	491081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	390347	46.479	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.960%
35) Dibromofluoromethane	7.914	113	373515	48.163	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.320%
50) Toluene-d8	10.338	98	1461147	50.230	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.460%
62) 4-Bromofluorobenzene	12.626	95	482355	50.438	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	327130	50.619	ug/l	98
3) Chloromethane	2.209	50	446665	47.250	ug/l	99
4) Vinyl Chloride	2.350	62	504426	47.869	ug/l	99
5) Bromomethane	2.773	94	306126	48.438	ug/l	98
6) Chloroethane	2.921	64	325629	46.390	ug/l	97
7) Trichlorofluoromethane	3.273	101	660224	52.758	ug/l	99
8) Diethyl Ether	3.709	74	172880	52.224	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	392061	51.222	ug/l	97
10) Methyl Iodide	4.303	142	335152	47.703	ug/l	98
11) Tert butyl alcohol	5.215	59	81892	173.346	ug/l #	84
12) 1,1-Dichloroethene	4.068	96	354202	53.237	ug/l	95
13) Acrolein	3.921	56	104645	223.862	ug/l	95
14) Allyl chloride	4.715	41	541392	58.043	ug/l	94
15) Acrylonitrile	5.420	53	361694	260.284	ug/l	99
16) Acetone	4.156	43	419357	296.662	ug/l	99
17) Carbon Disulfide	4.409	76	1166890	53.269	ug/l	99
18) Methyl Acetate	4.715	43	175192	49.919	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	690910	52.839	ug/l	97
20) Methylene Chloride	4.962	84	478523	53.641	ug/l	99
21) trans-1,2-Dichloroethene	5.467	96	421795	52.546	ug/l	94
22) Diisopropyl ether	6.362	45	1087932	57.883	ug/l	96
23) Vinyl Acetate	6.303	43	3033112	253.461	ug/l	100
24) 1,1-Dichloroethane	6.267	63	772819	51.911	ug/l	99
25) 2-Butanone	7.214	43	488151	271.756	ug/l	92
26) 2,2-Dichloropropane	7.209	77	673560	55.342	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	453695	52.017	ug/l	96
28) Bromochloromethane	7.544	49	316231	54.234	ug/l	97
29) Tetrahydrofuran	7.561	42	271913	276.109	ug/l	96
30) Chloroform	7.709	83	803313	51.045	ug/l	94
31) Cyclohexane	7.985	56	610118	53.955	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	688865	53.118	ug/l	98
36) 1,1-Dichloropropene	8.109	75	623533	55.378	ug/l	100
37) Ethyl Acetate	7.291	43	219076	52.432	ug/l	96
38) Carbon Tetrachloride	8.097	117	593741	53.281	ug/l	99
39) Methylcyclohexane	9.355	83	646862	58.239	ug/l	99
40) Benzene	8.350	78	1721622	53.038	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	126312	51.947	ug/l	91
42) 1,2-Dichloroethane	8.426	62	477769	50.661	ug/l	100
43) Isopropyl Acetate	8.450	43	395770	52.139	ug/l	99
44) Trichloroethene	9.108	130	424301	51.801	ug/l	97
45) 1,2-Dichloropropane	9.385	63	442750	53.135	ug/l	98
46) Dibromomethane	9.473	93	218998	50.183	ug/l	98
47) Bromodichloromethane	9.661	83	597608	50.996	ug/l	100
48) Methyl methacrylate	9.456	41	206964	57.395	ug/l	90
49) 1,4-Dioxane	9.461	88	42632	991.694	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	1085064	271.830	ug/l	98
52) Toluene	10.397	92	1087699	54.304	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	531145	52.422	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	649257	53.287	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	307291	49.864	ug/l	98
56) Ethyl methacrylate	10.655	69	354382	48.971	ug/l #	95
57) 1,3-Dichloropropane	10.944	76	538585	51.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	1004402	264.312	ug/l	98
59) 2-Hexanone	10.979	43	787347	292.296	ug/l	99
60) Dibromochloromethane	11.138	129	370904	51.065	ug/l	98
61) 1,2-Dibromoethane	11.244	107	281572	49.555	ug/l	98
64) Tetrachloroethene	10.873	164	340864	51.915	ug/l	97
65) Chlorobenzene	11.667	112	1075711	51.730	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	397451	52.572	ug/l	99
67) Ethyl Benzene	11.738	91	2055812	56.595	ug/l	100
68) m/p-Xylenes	11.849	106	1571291	114.883	ug/l	100
69) o-Xylene	12.179	106	702006	57.258	ug/l	98
70) Styrene	12.191	104	1225012	56.724	ug/l	99
71) Bromoform	12.355	173	184771	48.227	ug/l	100
73) Isopropylbenzene	12.473	105	1913518	56.555	ug/l	100
74) N-amyl acetate	12.285	43	371719	54.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	338057	49.743	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	249632m	51.785	ug/l	
77) Bromobenzene	12.755	156	397954	51.795	ug/l	93
78) n-propylbenzene	12.814	91	2481541	58.434	ug/l	99
79) 2-Chlorotoluene	12.902	91	1358981	56.015	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	1628936	57.208	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	98619	51.081	ug/l	99
82) 4-Chlorotoluene	12.996	91	1448335	55.681	ug/l	99
83) tert-Butylbenzene	13.214	119	1358956	53.159	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1621775	57.295	ug/l	98
85) sec-Butylbenzene	13.391	105	2039835	57.458	ug/l	100
86) p-Isopropyltoluene	13.508	119	1740437	58.242	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	813702	51.711	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	794126	50.656	ug/l	98
89) n-Butylbenzene	13.832	91	1736052	58.237	ug/l	99
90) Hexachloroethane	14.102	117	303889	52.023	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	694149	50.993	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	50786	49.252	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	422514	55.640	ug/l	98
94) Hexachlorobutadiene	15.255	225	256348	53.803	ug/l	99
95) Naphthalene	15.390	128	733198	48.066	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	356149	53.209	ug/l	99

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

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