

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071521\
 Data File : VD069702.D
 Acq On : 15 Jul 2021 09:58
 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
 7/16/2021 10:39:34 AM

Quant Time: Jul 15 15:50:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	633852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1066812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1012246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	484490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	384849	48.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.260%
35) Dibromofluoromethane	7.908	113	384350	53.702	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.400%
50) Toluene-d8	10.332	98	1515782	54.515	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.020%
62) 4-Bromofluorobenzene	12.626	95	508794	54.867	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	360790	55.149	ug/l	99
3) Chloromethane	2.208	50	473937	53.001	ug/l	99
4) Vinyl Chloride	2.344	62	527601	54.720	ug/l	99
5) Bromomethane	2.755	94	322209	54.229	ug/l	91
6) Chloroethane	2.914	64	326667	52.952	ug/l	99
7) Trichlorofluoromethane	3.267	101	650306	53.483	ug/l	99
8) Diethyl Ether	3.708	74	177306	49.980	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	412287	54.677	ug/l	100
10) Methyl Iodide	4.297	142	381297	48.431	ug/l	100
11) Tert butyl alcohol	5.214	59	84375	79.792	ug/l #	91
12) 1,1-Dichloroethene	4.061	96	376720	54.497	ug/l	97
13) Acrolein	3.920	56	177418	325.157	ug/l	97
14) Allyl chloride	4.708	41	542129	50.758	ug/l	99
15) Acrylonitrile	5.420	53	423389	263.193	ug/l	99
16) Acetone	4.155	43	406416	264.466	ug/l	99
17) Carbon Disulfide	4.402	76	1332975	54.605	ug/l	97
18) Methyl Acetate	4.714	43	185768	48.080	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	792082	54.128	ug/l	99
20) Methylene Chloride	4.955	84	496679	44.676	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	435163	52.715	ug/l	98
22) Diisopropyl ether	6.361	45	1224193	55.304	ug/l	97
23) Vinyl Acetate	6.302	43	3093931	248.644	ug/l	100
24) 1,1-Dichloroethane	6.261	63	799436	51.753	ug/l	98
25) 2-Butanone	7.208	43	498827	266.672	ug/l	99
26) 2,2-Dichloropropane	7.202	77	639793	51.913	ug/l	99
27) cis-1,2-Dichloroethene	7.202	96	459061	51.552	ug/l	99
28) Bromochloromethane	7.543	49	346331	58.096	ug/l	97
29) Tetrahydrofuran	7.561	42	313352	270.379	ug/l	98
30) Chloroform	7.708	83	790063	51.417	ug/l	95
31) Cyclohexane	7.979	56	729130	54.133	ug/l	100
32) 1,1,1-Trichloroethane	7.902	97	672430	51.610	ug/l	99
36) 1,1-Dichloropropene	8.108	75	634975	57.695	ug/l	99
37) Ethyl Acetate	7.290	43	229365	55.094	ug/l	97
38) Carbon Tetrachloride	8.096	117	582304	57.779	ug/l	99
39) Methylcyclohexane	9.349	83	737707	55.873	ug/l	98
40) Benzene	8.349	78	1763843	55.565	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	119434	55.356	ug/l	96
42) 1,2-Dichloroethane	8.420	62	467930	54.308	ug/l	100
43) Isopropyl Acetate	8.449	43	413892	54.289	ug/l	99
44) Trichloroethene	9.108	130	421413	54.746	ug/l	100
45) 1,2-Dichloropropane	9.384	63	462485	55.431	ug/l	97
46) Dibromomethane	9.467	93	217569	53.429	ug/l	96
47) Bromodichloromethane	9.655	83	590192	54.687	ug/l	98
48) Methyl methacrylate	9.455	41	205051	51.774	ug/l	98
49) 1,4-Dioxane	9.455	88	47231	899.837	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	1143398	289.613	ug/l	100
52) Toluene	10.396	92	1116211	58.460	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	502336	55.370	ug/l	99
54) cis-1,3-Dichloropropene	10.084	75	590485	53.002	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	315201	55.335	ug/l	96
56) Ethyl methacrylate	10.655	69	382890	52.525	ug/l	98
57) 1,3-Dichloropropane	10.937	76	556673	55.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	897219	275.636	ug/l	100
59) 2-Hexanone	10.979	43	806932	306.645	ug/l	99
60) Dibromochloromethane	11.131	129	370382	55.736	ug/l	99
61) 1,2-Dibromoethane	11.237	107	296735	56.147	ug/l	99
64) Tetrachloroethene	10.867	164	334877	54.175	ug/l	94
65) Chlorobenzene	11.667	112	1106091	54.699	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.737	131	401917	55.641	ug/l	99
67) Ethyl Benzene	11.737	91	2068530	57.766	ug/l	99
68) m/p-Xylenes	11.843	106	1630548	120.418	ug/l	98
69) o-Xylene	12.173	106	725747	58.860	ug/l	99
70) Styrene	12.184	104	1296949	60.275	ug/l	99
71) Bromoform	12.349	173	199150	56.865	ug/l #	99
73) Isopropylbenzene	12.473	105	1928702	55.908	ug/l	99
74) N-amyl acetate	12.278	43	401975	53.623	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	365952	53.257	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	240993m	51.202	ug/l	
77) Bromobenzene	12.749	156	412252	53.863	ug/l	100
78) n-propylbenzene	12.808	91	2517531	57.554	ug/l	100
79) 2-Chlorotoluene	12.896	91	1399169	54.410	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1660627	56.755	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	97371	55.598	ug/l	97
82) 4-Chlorotoluene	12.996	91	1471879	54.544	ug/l	99
83) tert-Butylbenzene	13.214	119	1353635	56.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1634880	56.315	ug/l	99
85) sec-Butylbenzene	13.390	105	2137683	57.021	ug/l	100
86) p-Isopropyltoluene	13.502	119	1768470	57.917	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	870651	54.775	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	836952	52.726	ug/l	99
89) n-Butylbenzene	13.831	91	1728191	57.127	ug/l	100
90) Hexachloroethane	14.096	117	339795	54.686	ug/l	99
91) 1,2-Dichlorobenzene	13.878	146	743756	54.267	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	53310	52.088	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	411468	54.002	ug/l	97
94) Hexachlorobutadiene	15.255	225	252629	54.992	ug/l	99
95) Naphthalene	15.384	128	766321	49.999	ug/l	100
96) 1,2,3-Trichlorobenzene	15.578	180	360383	55.062	ug/l	100

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

