

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069737.D
 Acq On : 16 Jul 2021 20:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:52:35 PM

Quant Time: Jul 17 00:57:04 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	7.979	168	564093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1054230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1059101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	489323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	355111	50.417	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.914	113	351467	49.694	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.380%			
50) Toluene-d8	10.338	98	1380275	50.234	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.626	95	505364	55.147	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	290693	49.987	ug/l	99
3) Chloromethane	2.209	50	429731	54.006	ug/l	97
4) Vinyl Chloride	2.344	62	454550	52.974	ug/l	98
5) Bromomethane	2.756	94	299057	56.633	ug/l	98
6) Chloroethane	2.915	64	303476	55.276	ug/l	99
7) Trichlorofluoromethane	3.268	101	539700	49.875	ug/l	98
8) Diethyl Ether	3.709	74	174983	55.425	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	335826	50.045	ug/l	99
10) Methyl Iodide	4.297	142	362588	51.581	ug/l	99
11) Tert butyl alcohol	5.215	59	162283	172.447	ug/l #	91
12) 1,1-Dichloroethene	4.062	96	334515	54.376	ug/l	98
13) Acrolein	3.915	56	124819	257.047	ug/l	98
14) Allyl chloride	4.709	41	519818	54.687	ug/l	99
15) Acrylonitrile	5.415	53	412527	288.154	ug/l	99
16) Acetone	4.156	43	296031	212.775	ug/l	97
17) Carbon Disulfide	4.403	76	1161649	53.481	ug/l	98
18) Methyl Acetate	4.715	43	186074	54.998	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	760589	58.404	ug/l	99
20) Methylene Chloride	4.956	84	495956	51.465	ug/l	97
21) trans-1,2-Dichloroethene	5.462	96	396952	54.033	ug/l	94
22) Diisopropyl ether	6.362	45	1192378	60.528	ug/l	97
23) Vinyl Acetate	6.303	43	2890789	260.279	ug/l	97
24) 1,1-Dichloroethane	6.262	63	758849	55.201	ug/l	99
25) 2-Butanone	7.209	43	456731	274.363	ug/l	99
26) 2,2-Dichloropropane	7.209	77	543510	49.555	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	443302	55.938	ug/l	98
28) Bromochloromethane	7.544	49	309332	58.306	ug/l	97
29) Tetrahydrofuran	7.562	42	301519	292.342	ug/l	97
30) Chloroform	7.709	83	693271	50.697	ug/l	99
31) Cyclohexane	7.985	56	606067	50.588	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	599760	51.725	ug/l	98
36) 1,1-Dichloropropene	8.109	75	545279	50.136	ug/l	100
37) Ethyl Acetate	7.291	43	224329	54.527	ug/l	98
38) Carbon Tetrachloride	8.091	117	493262	49.528	ug/l	97
39) Methylcyclohexane	9.350	83	580201	44.868	ug/l	95
40) Benzene	8.350	78	1701578	54.243	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	134848	63.246	ug/l	92
42) 1,2-Dichloroethane	8.420	62	447214	52.523	ug/l	99
43) Isopropyl Acetate	8.450	43	388718	51.596	ug/l	99
44) Trichloroethene	9.108	130	392396	51.585	ug/l	100
45) 1,2-Dichloropropane	9.385	63	410952	49.843	ug/l	97
46) Dibromomethane	9.473	93	204789	50.891	ug/l	100
47) Bromodichloromethane	9.656	83	567562	53.217	ug/l	98
48) Methyl methacrylate	9.450	41	193381	49.461	ug/l	98
49) 1,4-Dioxane	9.456	88	46096	888.952	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	1101849	282.420	ug/l	100
52) Toluene	10.397	92	1000314	53.016	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	506017	56.441	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	589298	53.527	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	281905	50.080	ug/l	98
56) Ethyl methacrylate	10.655	69	389782	54.058	ug/l	97
57) 1,3-Dichloropropane	10.938	76	510817	51.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	933283	289.645	ug/l	99
59) 2-Hexanone	10.979	43	691874	266.059	ug/l	99
60) Dibromochloromethane	11.132	129	350776	53.416	ug/l	100
61) 1,2-Dibromoethane	11.244	107	283438	54.271	ug/l	98
64) Tetrachloroethene	10.873	164	301532	46.622	ug/l	98
65) Chlorobenzene	11.661	112	1099681	51.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	385150	50.961	ug/l	100
67) Ethyl Benzene	11.738	91	2011745	53.695	ug/l	100
68) m/p-Xylenes	11.844	106	1523300	107.520	ug/l	100
69) o-Xylene	12.173	106	731587	56.709	ug/l	98
70) Styrene	12.185	104	1266136	56.240	ug/l	99
71) Bromoform	12.355	173	191837	52.354	ug/l #	98
73) Isopropylbenzene	12.473	105	1856946	53.296	ug/l	99
74) N-amyl acetate	12.279	43	390341	51.556	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.726	83	384829	55.451	ug/l	91
76) 1,2,3-Trichloropropane	12.773	75	240059m	50.500	ug/l	
77) Bromobenzene	12.749	156	405357	52.439	ug/l	98
78) n-propylbenzene	12.814	91	2332500	52.797	ug/l	100
79) 2-Chlorotoluene	12.897	91	1347966	51.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1575900	53.327	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	92823	52.477	ug/l	97
82) 4-Chlorotoluene	12.997	91	1413595	51.867	ug/l	99
83) tert-Butylbenzene	13.214	119	1299452	53.936	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1576753	53.777	ug/l	100
85) sec-Butylbenzene	13.391	105	1972631	52.098	ug/l	99
86) p-Isopropyltoluene	13.508	119	1617880	52.462	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	832023	51.828	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	820808	51.198	ug/l	100
89) n-Butylbenzene	13.832	91	1624492	53.168	ug/l	98
90) Hexachloroethane	14.102	117	311521	49.640	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	728370	52.620	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	51428	49.753	ug/l	88
93) 1,2,4-Trichlorobenzene	15.149	180	441206	57.333	ug/l	98
94) Hexachlorobutadiene	15.249	225	235039	50.658	ug/l	98
95) Naphthalene	15.385	128	861440	55.401	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	377884	57.166	ug/l	98

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

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