

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074611.D
 Acq On : 21 Oct 2022 13:09
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022

Quant Time: Oct 21 23:10:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	89896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	147039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	117474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	57190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	31519	45.923	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.840%		
35) Dibromofluoromethane	7.804	113	39933	48.996	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.000%		
50) Toluene-d8	10.269	98	141628	48.123	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.240%		
62) 4-Bromofluorobenzene	12.575	95	42514	50.223	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	13473	19.308	ug/l	97
3) Chloromethane	2.146	50	20480	21.681	ug/l	94
4) Vinyl Chloride	2.281	62	21465	20.549	ug/l	90
5) Bromomethane	2.681	94	16467	20.817	ug/l	94
6) Chloroethane	2.828	64	15811	22.015	ug/l	96
7) Trichlorofluoromethane	3.175	101	30961	20.910	ug/l	98
8) Diethyl Ether	3.593	74	8192	19.105	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.969	101	19806	20.743	ug/l	100
10) Methyl Iodide	4.163	142	20414	19.067	ug/l	98
11) Tert butyl alcohol	5.046	59	8199	49.665	ug/l #	84
12) 1,1-Dichloroethene	3.946	96	19626	20.550	ug/l	90
13) Acrolein	3.793	56	7084	96.370	ug/l	95
14) Allyl chloride	4.557	41	20188	19.574	ug/l	97
15) Acrylonitrile	5.263	53	18423	105.125	ug/l	96
16) Acetone	4.022	43	13711	91.483	ug/l #	87
17) Carbon Disulfide	4.269	76	48632	18.609	ug/l	98
18) Methyl Acetate	4.569	43	8857	20.143	ug/l	92
19) Methyl tert-butyl Ether	5.310	73	37308	19.991	ug/l	97
20) Methylene Chloride	4.804	84	25987	15.629	ug/l	99
21) trans-1,2-Dichloroethene	5.310	96	20844	19.578	ug/l	89
22) Diisopropyl ether	6.222	45	41844	20.106	ug/l	96
23) Vinyl Acetate	6.157	43	81433	89.478	ug/l	99
24) 1,1-Dichloroethane	6.110	63	32711	20.251	ug/l	97
25) 2-Butanone	7.081	43	19121	95.408	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	29360	19.018	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	23379	19.799	ug/l	99
28) Bromochloromethane	7.428	49	5888	15.927	ug/l #	94
29) Tetrahydrofuran	7.451	42	11193	102.397	ug/l	96
30) Chloroform	7.598	83	36033	20.732	ug/l	96
31) Cyclohexane	7.881	56	26282	19.063	ug/l	95
32) 1,1,1-Trichloroethane	7.798	97	33345	20.921	ug/l	98
36) 1,1-Dichloropropene	8.010	75	26533	20.087	ug/l	96
37) Ethyl Acetate	7.175	43	7836	18.802	ug/l	99
38) Carbon Tetrachloride	7.993	117	26561	20.535	ug/l	99
39) Methylcyclohexane	9.275	83	31010	19.648	ug/l	95
40) Benzene	8.251	78	81003	20.663	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	4815m	21.443	ug/l	
42) 1,2-Dichloroethane	8.328	62	18769	20.747	ug/l	98
43) Isopropyl Acetate	8.363	43	15241	19.678	ug/l	98
44) Trichloroethene	9.028	130	24282	21.143	ug/l	90
45) 1,2-Dichloropropane	9.304	63	17781	20.668	ug/l	90
46) Dibromomethane	9.392	93	10298	20.743	ug/l	98
47) Bromodichloromethane	9.587	83	26646	21.693	ug/l	96
48) Methyl methacrylate	9.381	41	7516	21.234	ug/l	95
49) 1,4-Dioxane	9.387	88	2191	448.418	ug/l #	93
51) 4-Methyl-2-Pentanone	10.163	43	39331	102.093	ug/l	98
52) Toluene	10.334	92	48464	20.046	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	19989	18.509	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	27801	20.417	ug/l	95
55) 1,1,2-Trichloroethane	10.739	97	12989	19.043	ug/l	97
56) Ethyl methacrylate	10.598	69	14127	18.947	ug/l	97
57) 1,3-Dichloropropane	10.881	76	21759	19.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	9245	77.894	ug/l	97
59) 2-Hexanone	10.922	43	23325	88.706	ug/l	96
60) Dibromochloromethane	11.075	129	16321	19.851	ug/l	99
61) 1,2-Dibromoethane	11.175	107	12457	20.007	ug/l	98
64) Tetrachloroethene	10.810	164	18129	20.878	ug/l	95
65) Chlorobenzene	11.604	112	52706	21.300	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	18255	21.473	ug/l	100
67) Ethyl Benzene	11.681	91	91225	21.172	ug/l	97
68) m/p-Xylenes	11.792	106	75021	43.789	ug/l	96
69) o-Xylene	12.122	106	34909	21.894	ug/l	96
70) Styrene	12.133	104	59314	22.089	ug/l	99
71) Bromoform	12.298	173	9542	21.378	ug/l #	99
73) Isopropylbenzene	12.422	105	92328	20.701	ug/l	100
74) N-amyl acetate	12.228	43	13081	19.842	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	14152	20.043	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	9040m	18.103	ug/l	
77) Bromobenzene	12.698	156	20872	20.734	ug/l	100
78) n-propylbenzene	12.763	91	110320	20.929	ug/l	99
79) 2-Chlorotoluene	12.845	91	58358	20.436	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	76904	21.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	3599	18.418	ug/l	97
82) 4-Chlorotoluene	12.945	91	62185	21.196	ug/l	97
83) tert-Butylbenzene	13.163	119	68096	21.083	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	75302	21.135	ug/l	98
85) sec-Butylbenzene	13.345	105	101396	20.920	ug/l	97
86) p-Isopropyltoluene	13.457	119	86494	21.301	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	43832	20.954	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	43155	21.074	ug/l	99
89) n-Butylbenzene	13.786	91	77928	21.065	ug/l	97
90) Hexachloroethane	14.051	117	15203	21.511	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	37233	21.337	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1983	20.308	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	23340	20.276	ug/l	99
94) Hexachlorobutadiene	15.198	225	13171	20.799	ug/l	100
95) Naphthalene	15.333	128	42991	19.840	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	20395	20.669	ug/l	99

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

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