

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074963.D
 Acq On : 17 Nov 2022 12:13
 Operator : VA/SY
 Sample : VD1117SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 17 22:34:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	127882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	223869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	203418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	95434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	48142	57.551	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.100%			
35) Dibromofluoromethane	7.810	113	61146	44.309	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.620%			
50) Toluene-d8	10.269	98	224412	49.367	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.575	95	71963	51.555	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	20952	23.171	ug/l	96
3) Chloromethane	2.146	50	32667	22.300	ug/l	94
4) Vinyl Chloride	2.287	62	40502	22.587	ug/l	97
5) Bromomethane	2.687	94	35586	25.952	ug/l	99
6) Chloroethane	2.834	64	29739	22.585	ug/l	99
7) Trichlorofluoromethane	3.175	101	48036	23.512	ug/l	95
8) Diethyl Ether	3.599	74	12113	20.678	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.975	101	31316	24.019	ug/l	97
10) Methyl Iodide	4.169	142	31018	22.866	ug/l	99
11) Tert butyl alcohol	5.052	59	7069	104.802	ug/l	98
12) 1,1-Dichloroethene	3.952	96	29765	23.437	ug/l	85
13) Acrolein	3.805	56	5276	134.823	ug/l	99
14) Allyl chloride	4.563	41	30760	22.644	ug/l	99
15) Acrylonitrile	5.258	53	26005	113.601	ug/l	97
16) Acetone	4.022	43	23922	113.315	ug/l	94
17) Carbon Disulfide	4.275	76	79218	21.927	ug/l	100
18) Methyl Acetate	4.563	43	14242	24.796	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	53883	21.192	ug/l	94
20) Methylene Chloride	4.805	84	43731	15.164	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	33055	22.952	ug/l	87
22) Diisopropyl ether	6.216	45	67148	22.178	ug/l #	97
23) Vinyl Acetate	6.157	43	126801	97.576	ug/l	100
24) 1,1-Dichloroethane	6.116	63	51757	22.890	ug/l	99
25) 2-Butanone	7.081	43	25840	93.601	ug/l	95
26) 2,2-Dichloropropane	7.081	77	41315	19.443	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	31892	19.961	ug/l	98
28) Bromochloromethane	7.428	49	14911	20.441	ug/l	92
29) Tetrahydrofuran	7.446	42	14341	93.849	ug/l	97
30) Chloroform	7.599	83	49194	19.866	ug/l	94
31) Cyclohexane	7.881	56	35392	18.983	ug/l	90
32) 1,1,1-Trichloroethane	7.799	97	44023	20.628	ug/l	97
36) 1,1-Dichloropropene	8.010	75	35909	17.705	ug/l	99
37) Ethyl Acetate	7.175	43	11619	17.073	ug/l	99
38) Carbon Tetrachloride	7.993	117	32157	16.844	ug/l	97
39) Methylcyclohexane	9.275	83	42583	19.599	ug/l	98
40) Benzene	8.251	78	110208	18.898	ug/l	100

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41) Methacrylonitrile	7.410	41	6138m	17.005	ug/l	
42) 1,2-Dichloroethane	8.328	62	25822	18.502	ug/l	99
43) Isopropyl Acetate	8.363	43	20808	17.360	ug/l	99
44) Trichloroethene	9.028	130	30281	19.654	ug/l	93
45) 1,2-Dichloropropane	9.310	63	26621	20.316	ug/l	96
46) Dibromomethane	9.398	93	14240	19.405	ug/l	93
47) Bromodichloromethane	9.587	83	36911	20.267	ug/l	96
48) Methyl methacrylate	9.381	41	10345	19.483	ug/l	90
49) 1,4-Dioxane	9.387	88	2438	338.565	ug/l	92
51) 4-Methyl-2-Pentanone	10.163	43	54658	95.652	ug/l	95
52) Toluene	10.334	92	72860	20.895	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	31462	19.555	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	39374	19.956	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	20851	20.434	ug/l	95
56) Ethyl methacrylate	10.598	69	20571	18.523	ug/l	98
57) 1,3-Dichloropropane	10.881	76	32990	20.110	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	33688	92.030	ug/l	99
59) 2-Hexanone	10.922	43	37805	94.903	ug/l	96
60) Dibromochloromethane	11.075	129	24522	20.258	ug/l	100
61) 1,2-Dibromoethane	11.187	107	18942	19.849	ug/l	100
64) Tetrachloroethene	10.810	164	26193	19.205	ug/l	95
65) Chlorobenzene	11.610	112	77704	19.527	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.687	131	26729	19.171	ug/l	94
67) Ethyl Benzene	11.687	91	133358	19.236	ug/l	98
68) m/p-Xylenes	11.798	106	107438	38.868	ug/l	99
69) o-Xylene	12.122	106	47747	18.775	ug/l	98
70) Styrene	12.139	104	85230	19.551	ug/l	99
71) Bromoform	12.298	173	13684	18.964	ug/l #	96
73) Isopropylbenzene	12.422	105	132324	20.145	ug/l	99
74) N-amyl acetate	12.234	43	18862	17.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	23268	20.026	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	15966m	20.002	ug/l	
77) Bromobenzene	12.704	156	29966	19.494	ug/l	94
78) n-propylbenzene	12.769	91	165387	20.483	ug/l	98
79) 2-Chlorotoluene	12.851	91	88977	20.452	ug/l	99
80) 1,3,5-Trimethylbenzene	12.910	105	109201	19.952	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	5934	18.288	ug/l	93
82) 4-Chlorotoluene	12.951	91	92094	20.327	ug/l	100
83) tert-Butylbenzene	13.169	119	92003	19.373	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	107564	19.871	ug/l	98
85) sec-Butylbenzene	13.345	105	146765	20.317	ug/l	99
86) p-Isopropyltoluene	13.463	119	120797	20.110	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	62934	19.682	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	62539	19.706	ug/l	99
89) n-Butylbenzene	13.792	91	110041	19.732	ug/l	98
90) Hexachloroethane	14.057	117	21861	20.320	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	54650	20.098	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2992	18.677	ug/l	85
93) 1,2,4-Trichlorobenzene	15.104	180	30426	18.382	ug/l	97
94) Hexachlorobutadiene	15.210	225	16785	19.660	ug/l	97
95) Naphthalene	15.333	128	52356	17.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	26055	18.203	ug/l	99

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

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