

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111822\
 Data File : VD074986.D
 Acq On : 18 Nov 2022 13:37
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

Quant Time: Nov 18 22:05:02 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	7.881	168	133732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	232302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	210283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	99172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	48934	55.750	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.500%			
35) Dibromofluoromethane	7.810	113	64213	44.842	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.680%			
50) Toluene-d8	10.269	98	234612	49.737	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.480%			
62) 4-Bromofluorobenzene	12.575	95	77553	53.543	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.080%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	23624	25.188	ug/l	91
3) Chloromethane	2.146	50	33320	21.651	ug/l	94
4) Vinyl Chloride	2.287	62	42140	22.473	ug/l	100
5) Bromomethane	2.687	94	37639	26.260	ug/l	93
6) Chloroethane	2.840	64	31596	22.945	ug/l	100
7) Trichlorofluoromethane	3.175	101	52183	24.424	ug/l	99
8) Diethyl Ether	3.593	74	13636	22.260	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	32581	23.896	ug/l	99
10) Methyl Iodide	4.163	142	34788	24.178	ug/l	99
11) Tert butyl alcohol	5.046	59	7812	111.780	ug/l #	84
12) 1,1-Dichloroethene	3.946	96	30558	23.009	ug/l	92
13) Acrolein	3.799	56	5356	129.921	ug/l	97
14) Allyl chloride	4.563	41	31669	22.293	ug/l	97
15) Acrylonitrile	5.258	53	26697	111.522	ug/l	98
16) Acetone	4.022	43	25201	114.151	ug/l	94
17) Carbon Disulfide	4.275	76	83799	22.180	ug/l	98
18) Methyl Acetate	4.558	43	14871	24.755	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	57061	21.460	ug/l	99
20) Methylene Chloride	4.799	84	60420	25.828	ug/l	95
21) trans-1,2-Dichloroethene	5.316	96	34677	23.025	ug/l	93
22) Diisopropyl ether	6.222	45	73148	23.102	ug/l	95
23) Vinyl Acetate	6.157	43	146785	108.013	ug/l	98
24) 1,1-Dichloroethane	6.116	63	55949	23.662	ug/l	98
25) 2-Butanone	7.081	43	27883	96.583	ug/l	98
26) 2,2-Dichloropropane	7.081	77	44218	19.899	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	34063	20.387	ug/l	97
28) Bromochloromethane	7.428	49	15710	20.594	ug/l	96
29) Tetrahydrofuran	7.452	42	15388	96.296	ug/l	92
30) Chloroform	7.599	83	52412	20.240	ug/l	94
31) Cyclohexane	7.881	56	38021	19.501	ug/l	92
32) 1,1,1-Trichloroethane	7.799	97	46846	20.991	ug/l	97
36) 1,1-Dichloropropene	8.010	75	38028	18.069	ug/l	99
37) Ethyl Acetate	7.169	43	11594	16.418	ug/l	95
38) Carbon Tetrachloride	7.993	117	35062	17.699	ug/l	94
39) Methylcyclohexane	9.281	83	44447	19.714	ug/l	98
40) Benzene	8.252	78	116191	19.200	ug/l	99

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41) Methacrylonitrile	7.410	41	6457m	17.239	ug/l	
42) 1,2-Dichloroethane	8.328	62	26877	18.558	ug/l	99
43) Isopropyl Acetate	8.363	43	22122	17.786	ug/l	97
44) Trichloroethene	9.034	130	33424	20.906	ug/l	97
45) 1,2-Dichloropropane	9.310	63	27096	19.928	ug/l	96
46) Dibromomethane	9.393	93	15063	19.781	ug/l	91
47) Bromodichloromethane	9.587	83	38338	20.286	ug/l	99
48) Methyl methacrylate	9.381	41	10192	18.498	ug/l	96
49) 1,4-Dioxane	9.393	88	2664	356.520	ug/l #	87
51) 4-Methyl-2-Pentanone	10.163	43	55202	93.097	ug/l	96
52) Toluene	10.334	92	76793	21.224	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	33415	20.015	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	41196	20.121	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	21593	20.393	ug/l	96
56) Ethyl methacrylate	10.598	69	21365	18.537	ug/l	96
57) 1,3-Dichloropropane	10.881	76	34695	20.381	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.875	63	38719	99.748	ug/l	100
59) 2-Hexanone	10.922	43	37996	91.920	ug/l	98
60) Dibromochloromethane	11.075	129	26249	20.897	ug/l	99
61) 1,2-Dibromoethane	11.181	107	19843	20.038	ug/l	98
64) Tetrachloroethene	10.810	164	28012	19.868	ug/l	95
65) Chlorobenzene	11.610	112	85227	20.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	28686	19.903	ug/l	98
67) Ethyl Benzene	11.687	91	146003	20.372	ug/l	97
68) m/p-Xylenes	11.792	106	116866	40.898	ug/l	100
69) o-Xylene	12.122	106	54030	20.552	ug/l	96
70) Styrene	12.140	104	90365	20.052	ug/l	97
71) Bromoform	12.298	173	14324	19.202	ug/l #	99
73) Isopropylbenzene	12.422	105	143963	21.090	ug/l	100
74) N-amyl acetate	12.234	43	19327	17.209	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	23437	19.411	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	15928m	19.202	ug/l	
77) Bromobenzene	12.704	156	32929	20.614	ug/l	95
78) n-propylbenzene	12.763	91	181440	21.624	ug/l	97
79) 2-Chlorotoluene	12.851	91	97200	21.500	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	121472	21.357	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	6232	18.483	ug/l	94
82) 4-Chlorotoluene	12.951	91	102602	21.793	ug/l	98
83) tert-Butylbenzene	13.169	119	101689	20.605	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	117898	20.959	ug/l	98
85) sec-Butylbenzene	13.345	105	161556	21.521	ug/l	100
86) p-Isopropyltoluene	13.463	119	134401	21.532	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	68936	20.746	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	67852	20.574	ug/l	97
89) n-Butylbenzene	13.792	91	124780	21.532	ug/l	97
90) Hexachloroethane	14.057	117	24184	21.632	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	58245	20.613	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2945	17.691	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	34927	20.306	ug/l	99
94) Hexachlorobutadiene	15.204	225	18155	20.463	ug/l	98
95) Naphthalene	15.333	128	59450	18.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	29756	20.005	ug/l	99

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

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