

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111422\
 Data File : VD074928.D
 Acq On : 14 Nov 2022 12:18
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/15/2022
 Supervised By :Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 00:15:46 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	135835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	238968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	218484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	104222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	51991	58.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.260%			
35) Dibromofluoromethane	7.810	113	64516	43.797	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.600%			
50) Toluene-d8	10.269	98	230724	47.549	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.100%			
62) 4-Bromofluorobenzene	12.575	95	75375	50.587	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24501	25.774	ug/l	99
3) Chloromethane	2.146	50	36110	23.371	ug/l	97
4) Vinyl Chloride	2.287	62	43541	22.860	ug/l	98
5) Bromomethane	2.687	94	38727	26.614	ug/l	97
6) Chloroethane	2.840	64	32315	23.104	ug/l	100
7) Trichlorofluoromethane	3.175	101	52318	24.108	ug/l	94
8) Diethyl Ether	3.593	74	14589	23.447	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.970	101	33222	23.989	ug/l	96
10) Methyl Iodide	4.164	142	34801	23.884	ug/l	98
11) Tert butyl alcohol	5.058	59	8311	117.939	ug/l #	93
12) 1,1-Dichloroethene	3.940	96	31800	23.574	ug/l	93
13) Acrolein	3.799	56	6381	158.060	ug/l	99
14) Allyl chloride	4.569	41	34659	24.020	ug/l	98
15) Acrylonitrile	5.258	53	29100	119.678	ug/l	97
16) Acetone	4.028	43	26733	119.216	ug/l	90
17) Carbon Disulfide	4.269	76	88100	22.958	ug/l	100
18) Methyl Acetate	4.569	43	16504	27.250	ug/l	96
19) Methyl tert-butyl Ether	5.322	73	63504	23.514	ug/l	98
20) Methylene Chloride	4.805	84	54683	21.048	ug/l #	87
21) trans-1,2-Dichloroethene	5.316	96	35639	23.298	ug/l	90
22) Diisopropyl ether	6.216	45	76958	23.929	ug/l	95
23) Vinyl Acetate	6.158	43	158891m	115.111	ug/l	
24) 1,1-Dichloroethane	6.116	63	57245	23.835	ug/l	95
25) 2-Butanone	7.081	43	31798	108.439	ug/l	100
26) 2,2-Dichloropropane	7.081	77	45517	20.167	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	34388	20.263	ug/l	95
28) Bromochloromethane	7.428	49	16626	21.457	ug/l	90
29) Tetrahydrofuran	7.452	42	16829	103.683	ug/l	96
30) Chloroform	7.599	83	54782	20.828	ug/l	98
31) Cyclohexane	7.875	56	40211	20.305	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	47084	20.771	ug/l	96
36) 1,1-Dichloropropene	8.010	75	39480	18.236	ug/l	97
37) Ethyl Acetate	7.175	43	14085	19.389	ug/l	96
38) Carbon Tetrachloride	7.993	117	35528	17.434	ug/l	98
39) Methylcyclohexane	9.275	83	45671	19.692	ug/l	98
40) Benzene	8.252	78	119524	19.200	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	5652	14.669	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	28802	19.333	ug/l	99
43) Isopropyl Acetate	8.363	43	25200	19.695	ug/l	97
44) Trichloroethene	9.028	130	33885	20.603	ug/l	99
45) 1,2-Dichloropropane	9.305	63	28367	20.280	ug/l	96
46) Dibromomethane	9.399	93	16102	20.555	ug/l	93
47) Bromodichloromethane	9.587	83	40560	20.863	ug/l	95
48) Methyl methacrylate	9.381	41	10478	18.487	ug/l	95
49) 1,4-Dioxane	9.381	88	3063	398.483	ug/l	96
51) 4-Methyl-2-Pentanone	10.163	43	63093	103.436	ug/l	96
52) Toluene	10.334	92	79577	21.380	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	35960	20.939	ug/l	100
54) cis-1,3-Dichloropropene	10.022	75	43756	20.775	ug/l	96
55) 1,1,2-Trichloroethane	10.740	97	22680	20.822	ug/l	96
56) Ethyl methacrylate	10.599	69	23649	19.736	ug/l	96
57) 1,3-Dichloropropane	10.881	76	36686	20.950	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	43923	107.911	ug/l	98
59) 2-Hexanone	10.922	43	44629	104.955	ug/l	96
60) Dibromochloromethane	11.075	129	27364	21.177	ug/l	98
61) 1,2-Dibromoethane	11.181	107	21944	21.542	ug/l	97
64) Tetrachloroethene	10.810	164	27600	18.841	ug/l	91
65) Chlorobenzene	11.610	112	85302	19.958	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	28884	19.288	ug/l	95
67) Ethyl Benzene	11.687	91	146400	19.661	ug/l	97
68) m/p-Xylenes	11.799	106	116898	39.374	ug/l	99
69) o-Xylene	12.122	106	53969	19.758	ug/l	96
70) Styrene	12.140	104	93203	19.906	ug/l	98
71) Bromoform	12.304	173	14889	19.211	ug/l #	96
73) Isopropylbenzene	12.422	105	143269	19.972	ug/l	100
74) N-amyl acetate	12.234	43	23036	19.518	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	25338	19.968	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	18151m	20.822	ug/l	
77) Bromobenzene	12.704	156	32416	19.310	ug/l	92
78) n-propylbenzene	12.763	91	176649	20.033	ug/l	99
79) 2-Chlorotoluene	12.851	91	94626	19.916	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	118275	19.788	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	6744	19.032	ug/l	99
82) 4-Chlorotoluene	12.951	91	100950	20.403	ug/l	98
83) tert-Butylbenzene	13.169	119	100809	19.437	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	118045	19.968	ug/l	98
85) sec-Butylbenzene	13.345	105	157413	19.953	ug/l	99
86) p-Isopropyltoluene	13.463	119	130643	19.915	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	70419	20.165	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	68221	19.684	ug/l	97
89) n-Butylbenzene	13.787	91	121073	19.880	ug/l	98
90) Hexachloroethane	14.051	117	23269	19.805	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	58367	19.655	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3405	19.463	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	35928	19.876	ug/l	98
94) Hexachlorobutadiene	15.204	225	19331	20.733	ug/l	96
95) Naphthalene	15.334	128	65025	19.381	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	30740	19.665	ug/l	99

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

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