

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091322\
 Data File : VD074263.D
 Acq On : 13 Sep 2022 13:51
 Operator : VA/SY
 Sample : VD0913SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0913SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/14/2022
 Supervised By :Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 14:38:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	100009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	166107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	148581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	72546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56197	55.116	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.240%			
35) Dibromofluoromethane	7.804	113	58514	52.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.660%			
50) Toluene-d8	10.263	98	226759	55.690	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.380%			
62) 4-Bromofluorobenzene	12.563	95	71868	50.624	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	22386	27.242	ug/l	98
3) Chloromethane	2.140	50	18851	25.215	ug/l	96
4) Vinyl Chloride	2.275	62	17054	26.778	ug/l	97
5) Bromomethane	2.663	94	9868	29.424	ug/l	97
6) Chloroethane	2.816	64	9850	25.973	ug/l	96
7) Trichlorofluoromethane	3.163	101	40798	23.025	ug/l	100
8) Diethyl Ether	3.593	74	12418	21.722	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.952	101	25570	22.429	ug/l	98
10) Methyl Iodide	4.152	142	29234	21.517	ug/l	97
11) Tert butyl alcohol	5.057	59	9620	115.685	ug/l #	85
12) 1,1-Dichloroethene	3.934	96	24618	22.370	ug/l	99
13) Acrolein	3.799	56	8985	101.652	ug/l	98
14) Allyl chloride	4.557	41	36797	21.545	ug/l	98
15) Acrylonitrile	5.257	53	30283	113.617	ug/l	98
16) Acetone	4.022	43	23346	110.930	ug/l	99
17) Carbon Disulfide	4.257	76	76274	24.026	ug/l	97
18) Methyl Acetate	4.557	43	16389	23.276	ug/l	94
19) Methyl tert-butyl Ether	5.310	73	56925	21.353	ug/l	100
20) Methylene Chloride	4.799	84	37960	26.799	ug/l	93
21) trans-1,2-Dichloroethene	5.304	96	28010	22.562	ug/l	93
22) Diisopropyl ether	6.210	45	78848	21.754	ug/l	97
23) Vinyl Acetate	6.157	43	150248	87.787	ug/l	96
24) 1,1-Dichloroethane	6.104	63	50203	22.422	ug/l	99
25) 2-Butanone	7.081	43	39282	111.912	ug/l	97
26) 2,2-Dichloropropane	7.069	77	41990	21.466	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	31755	22.386	ug/l	100
28) Bromochloromethane	7.416	49	12681	18.442	ug/l #	95
29) Tetrahydrofuran	7.440	42	24635	113.842	ug/l	98
30) Chloroform	7.593	83	49416	22.237	ug/l	96
31) Cyclohexane	7.869	56	45862	21.765	ug/l #	95
32) 1,1,1-Trichloroethane	7.793	97	44105	22.620	ug/l	99
36) 1,1-Dichloropropene	8.004	75	39777	22.124	ug/l	100
37) Ethyl Acetate	7.163	43	18386	23.582	ug/l #	93
38) Carbon Tetrachloride	7.987	117	36963	22.723	ug/l	97
39) Methylcyclohexane	9.269	83	49044	22.036	ug/l	91
40) Benzene	8.245	78	112682	22.647	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	9557	22.007	ug/l	93
42) 1,2-Dichloroethane	8.322	62	29824	22.681	ug/l	99
43) Isopropyl Acetate	8.357	43	33253	22.081	ug/l	99
44) Trichloroethene	9.022	130	30038	21.749	ug/l	94
45) 1,2-Dichloropropane	9.304	63	28391	21.955	ug/l	95
46) Dibromomethane	9.392	93	15032	22.389	ug/l	97
47) Bromodichloromethane	9.581	83	37774	22.363	ug/l	99
48) Methyl methacrylate	9.381	41	15721	22.102	ug/l	97
49) 1,4-Dioxane	9.381	88	3855	484.862	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	83969	110.318	ug/l	98
52) Toluene	10.328	92	69890	21.899	ug/l	97
53) t-1,3-Dichloropropene	10.545	75	32840	20.625	ug/l	99
54) cis-1,3-Dichloropropene	10.010	75	41757	21.285	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	20659	22.259	ug/l	98
56) Ethyl methacrylate	10.592	69	27042	21.929	ug/l	98
57) 1,3-Dichloropropane	10.875	76	37012	22.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.863	63	26492	111.108	ug/l	99
59) 2-Hexanone	10.916	43	56746	109.787	ug/l	99
60) Dibromochloromethane	11.069	129	24953	22.078	ug/l	98
61) 1,2-Dibromoethane	11.175	107	19643	22.236	ug/l	99
64) Tetrachloroethene	10.804	164	24237	21.335	ug/l #	84
65) Chlorobenzene	11.598	112	74073	22.176	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	26377	22.049	ug/l	100
67) Ethyl Benzene	11.675	91	137497	22.037	ug/l	95
68) m/p-Xylenes	11.786	106	104038	43.934	ug/l	98
69) o-Xylene	12.110	106	48538	21.688	ug/l	96
70) Styrene	12.128	104	81871	21.934	ug/l	98
71) Bromoform	12.292	173	15614	23.444	ug/l #	96
73) Isopropylbenzene	12.410	105	133584	21.764	ug/l	99
74) N-amyl acetate	12.222	43	30824	21.325	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.657	83	25268	22.609	ug/l	99
76) 1,2,3-Trichloropropane	12.710	75	17029m	22.898	ug/l	
77) Bromobenzene	12.692	156	29207	21.684	ug/l	98
78) n-propylbenzene	12.751	91	162200	21.550	ug/l	100
79) 2-Chlorotoluene	12.839	91	89087	21.881	ug/l	100
80) 1,3,5-Trimethylbenzene	12.892	105	109148	21.463	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.457	75	6369	21.115	ug/l #	100
82) 4-Chlorotoluene	12.933	91	89224	21.525	ug/l	97
83) tert-Butylbenzene	13.157	119	96303	21.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.198	105	106887	21.651	ug/l	99
85) sec-Butylbenzene	13.333	105	144817	21.478	ug/l	98
86) p-Isopropyltoluene	13.445	119	118922	21.594	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	59676	21.724	ug/l	99
88) 1,4-Dichlorobenzene	13.522	146	59564	22.049	ug/l	98
89) n-Butylbenzene	13.775	91	117428	21.821	ug/l	98
90) Hexachloroethane	14.039	117	21864	21.702	ug/l	97
91) 1,2-Dichlorobenzene	13.816	146	50431	21.109	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.433	75	3816	24.299	ug/l	85
93) 1,2,4-Trichlorobenzene	15.080	180	33761	20.444	ug/l	98
94) Hexachlorobutadiene	15.186	225	20300	21.511	ug/l	93
95) Naphthalene	15.316	128	68152	22.086	ug/l	100
96) 1,2,3-Trichlorobenzene	15.504	180	30372	21.424	ug/l	99

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

