

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080322\
 Data File : VD073941.D
 Acq On : 03 Aug 2022 15:31
 Operator : VA/SY
 Sample : VD0803SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/04/2022
 Supervised By :Mahesh Dadoda 08/04/2022

Quant Time: Aug 04 02:51:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	151835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	258767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	236936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	116792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	68702	55.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	111.000%		
35) Dibromofluoromethane	7.903	113	73799	45.902	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.800%		
50) Toluene-d8	10.332	98	237430	43.841	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.680%		
62) 4-Bromofluorobenzene	12.614	95	92574	46.483	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	25154	18.377	ug/l	95
3) Chloromethane	2.209	50	37202	19.283	ug/l	96
4) Vinyl Chloride	2.344	62	50719	21.318	ug/l	99
5) Bromomethane	2.750	94	30668	18.253	ug/l	96
6) Chloroethane	2.909	64	34640	20.701	ug/l	91
7) Trichlorofluoromethane	3.256	101	49960	19.588	ug/l	98
8) Diethyl Ether	3.703	74	12349	19.238	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.079	101	29077	19.232	ug/l	99
10) Methyl Iodide	4.291	142	23118	13.984	ug/l	99
11) Tert butyl alcohol	5.232	59	14838m	160.026	ug/l	
12) 1,1-Dichloroethene	4.056	96	24256	18.107	ug/l	96
13) Acrolein	3.915	56	3527	59.742	ug/l	97
14) Allyl chloride	4.703	41	31850	17.584	ug/l	93
15) Acrylonitrile	5.409	53	28205	102.634	ug/l	96
16) Acetone	4.162	43	22288	78.620	ug/l #	85
17) Carbon Disulfide	4.397	76	57760	15.274	ug/l	99
18) Methyl Acetate	4.709	43	15553	20.633	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	62294	19.207	ug/l	100
20) Methylene Chloride	4.956	84	41004	13.709	ug/l #	97
21) trans-1,2-Dichloroethene	5.462	96	27412	17.170	ug/l	94
22) Diisopropyl ether	6.356	45	73546	18.702	ug/l	97
23) Vinyl Acetate	6.297	43	198772m	95.637	ug/l	
24) 1,1-Dichloroethane	6.250	63	51411	19.327	ug/l	98
25) 2-Butanone	7.209	43	35549	95.930	ug/l	99
26) 2,2-Dichloropropane	7.203	77	49630	18.452	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	32986	18.353	ug/l	99
28) Bromochloromethane	7.538	49	17969	20.242	ug/l	95
29) Tetrahydrofuran	7.561	42	21749	100.446	ug/l	99
30) Chloroform	7.703	83	61080	20.151	ug/l	96
31) Cyclohexane	7.973	56	39588	16.838	ug/l #	91
32) 1,1,1-Trichloroethane	7.897	97	55143	19.106	ug/l	97
36) 1,1-Dichloropropene	8.097	75	39588	17.288	ug/l	99
37) Ethyl Acetate	7.291	43	18032	21.144	ug/l	96
38) Carbon Tetrachloride	8.091	117	48303	18.830	ug/l	93
39) Methylcyclohexane	9.344	83	42196	15.721	ug/l	96
40) Benzene	8.344	78	112894	17.967	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	9543	19.385	ug/l	97
42) 1,2-Dichloroethane	8.414	62	37575	19.484	ug/l	97
43) Isopropyl Acetate	8.444	43	33202	19.661	ug/l	98
44) Trichloroethene	9.103	130	31773	16.785	ug/l	90
45) 1,2-Dichloropropane	9.379	63	27744	18.350	ug/l	95
46) Dibromomethane	9.467	93	18975	19.512	ug/l	98
47) Bromodichloromethane	9.650	83	46891	19.466	ug/l	98
48) Methyl methacrylate	9.450	41	15758	19.995	ug/l	99
49) 1,4-Dioxane	9.461	88	3892	379.743	ug/l #	92
51) 4-Methyl-2-Pentanone	10.214	43	84002	99.631	ug/l	98
52) Toluene	10.391	92	74541	17.434	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	41355	18.650	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	44971	17.914	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	24564	19.639	ug/l	97
56) Ethyl methacrylate	10.644	69	26694	18.745	ug/l	98
57) 1,3-Dichloropropane	10.932	76	38487	19.013	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	48474	88.947	ug/l	95
59) 2-Hexanone	10.973	43	56325	98.723	ug/l	96
60) Dibromochloromethane	11.126	129	32032	18.981	ug/l	98
61) 1,2-Dibromoethane	11.238	107	23771	18.750	ug/l	98
64) Tetrachloroethene	10.867	164	27779	16.474	ug/l	94
65) Chlorobenzene	11.655	112	82955	17.661	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.726	131	32908	18.290	ug/l	93
67) Ethyl Benzene	11.732	91	140273	16.908	ug/l	100
68) m/p-Xylenes	11.838	106	113379	34.474	ug/l	96
69) o-Xylene	12.167	106	53022	17.214	ug/l	99
70) Styrene	12.179	104	92853	17.847	ug/l	99
71) Bromoform	12.344	173	18383	18.603	ug/l #	96
73) Isopropylbenzene	12.467	105	144277	17.916	ug/l	97
74) N-amyl acetate	12.273	43	29432	18.251	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	28014	20.421	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	21629m	23.147	ug/l	
77) Bromobenzene	12.744	156	32858	17.333	ug/l	90
78) n-propylbenzene	12.802	91	171066	17.468	ug/l	100
79) 2-Chlorotoluene	12.891	91	101608	18.137	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	121883	17.815	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	7795	19.148	ug/l	100
82) 4-Chlorotoluene	12.985	91	105996	18.050	ug/l	100
83) tert-Butylbenzene	13.208	119	107015	17.965	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	122771	18.165	ug/l	99
85) sec-Butylbenzene	13.385	105	159451	17.690	ug/l	99
86) p-Isopropyltoluene	13.496	119	134106	17.712	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	69708	17.609	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	71799	18.310	ug/l	98
89) n-Butylbenzene	13.826	91	126648	18.141	ug/l	99
90) Hexachloroethane	14.096	117	25934	18.692	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	61794	18.257	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	5049	21.608	ug/l	84
93) 1,2,4-Trichlorobenzene	15.143	180	35600	16.914	ug/l	97
94) Hexachlorobutadiene	15.249	225	20074	17.555	ug/l	99
95) Naphthalene	15.379	128	68095	17.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	31269	17.187	ug/l	98

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

