

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050422\
 Data File : VD072780.D
 Acq On : 04 May 2022 11:11
 Operator : VA/SY
 Sample : VD0504SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0504SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2022
 Supervised By :Mahesh Dadoda 05/05/2022

Quant Time: May 04 14:10:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	296886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	490798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	491001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	193363	50.174	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.340%			
35) Dibromofluoromethane	7.909	113	184599	53.555	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.100%			
50) Toluene-d8	10.332	98	666623	53.914	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.820%			
62) 4-Bromofluorobenzene	12.620	95	252016	54.663	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	91852	22.389	ug/l	96
3) Chloromethane	2.209	50	88384	20.716	ug/l	94
4) Vinyl Chloride	2.350	62	84600	22.098	ug/l	97
5) Bromomethane	2.750	94	55400	22.682	ug/l	91
6) Chloroethane	2.915	64	51252	21.480	ug/l	97
7) Trichlorofluoromethane	3.268	101	151272	22.565	ug/l	96
8) Diethyl Ether	3.715	74	37417	19.468	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	89264	22.428	ug/l	98
10) Methyl Iodide	4.303	142	77646	19.439	ug/l	99
11) Tert butyl alcohol	5.191	59	38305	114.880	ug/l #	82
12) 1,1-Dichloroethene	4.062	96	77393	21.619	ug/l	97
13) Acrolein	3.915	56	24566	95.718	ug/l	94
14) Allyl chloride	4.715	41	120067	20.774	ug/l	94
15) Acrylonitrile	5.409	53	89798	98.312	ug/l	95
16) Acetone	4.156	43	71387	90.046	ug/l	94
17) Carbon Disulfide	4.403	76	237921	21.137	ug/l	98
18) Methyl Acetate	4.720	43	43722	20.705	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	174277	20.307	ug/l	96
20) Methylene Chloride	4.962	84	107316	19.434	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	88860	21.643	ug/l	93
22) Diisopropyl ether	6.362	45	268599	21.126	ug/l	93
23) Vinyl Acetate	6.297	43	693652	98.762	ug/l	96
24) 1,1-Dichloroethane	6.262	63	166444	21.790	ug/l	99
25) 2-Butanone	7.209	43	107191	95.461	ug/l	94
26) 2,2-Dichloropropane	7.209	77	142520	22.070	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	98203	20.884	ug/l	94
28) Bromochloromethane	7.544	49	55265	19.401	ug/l	89
29) Tetrahydrofuran	7.561	42	67461	94.255	ug/l	94
30) Chloroform	7.703	83	174823	21.630	ug/l	97
31) Cyclohexane	7.985	56	142879	21.209	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	151087	21.933	ug/l	98
36) 1,1-Dichloropropene	8.109	75	128680	22.959	ug/l	96
37) Ethyl Acetate	7.285	43	53858	20.903	ug/l #	97
38) Carbon Tetrachloride	8.091	117	136845	23.521	ug/l	98
39) Methylcyclohexane	9.350	83	145908	22.443	ug/l	96
40) Benzene	8.344	78	361910	22.360	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	29150	19.001	ug/l	91
42) 1,2-Dichloroethane	8.414	62	105917	21.715	ug/l	97
43) Isopropyl Acetate	8.450	43	94298	19.829	ug/l	92
44) Trichloroethene	9.108	130	95811	22.126	ug/l	98
45) 1,2-Dichloropropane	9.379	63	93606	22.021	ug/l	92
46) Dibromomethane	9.467	93	48883	20.848	ug/l	97
47) Bromodichloromethane	9.655	83	128742	21.343	ug/l #	96
48) Methyl methacrylate	9.450	41	48907	21.022	ug/l	91
49) 1,4-Dioxane	9.450	88	10709	405.582	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	247839	100.293	ug/l	95
52) Toluene	10.397	92	239874	23.758	ug/l	94
53) t-1,3-Dichloropropene	10.614	75	114423	20.652	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	142490	22.136	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	67864	21.410	ug/l	96
56) Ethyl methacrylate	10.655	69	77048	20.644	ug/l	88
57) 1,3-Dichloropropane	10.938	76	118422	21.771	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	182331	100.764	ug/l	96
59) 2-Hexanone	10.979	43	166839	100.336	ug/l	96
60) Dibromochloromethane	11.132	129	84670	21.219	ug/l	99
61) 1,2-Dibromoethane	11.238	107	64838	21.015	ug/l	96
64) Tetrachloroethene	10.867	164	78756	21.939	ug/l	93
65) Chlorobenzene	11.661	112	247191	21.766	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	92583	21.692	ug/l	99
67) Ethyl Benzene	11.738	91	431130	21.936	ug/l	99
68) m/p-Xylenes	11.844	106	341302	45.082	ug/l	99
69) o-Xylene	12.173	106	150337	21.262	ug/l	100
70) Styrene	12.185	104	268400	21.909	ug/l	99
71) Bromoform	12.349	173	47255	20.429	ug/l #	99
73) Isopropylbenzene	12.467	105	421115	22.500	ug/l	100
74) N-amyl acetate	12.279	43	92998	19.953	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	75162	19.894	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	56607m	21.103	ug/l	
77) Bromobenzene	12.749	156	95867	21.570	ug/l	94
78) n-propylbenzene	12.808	91	533436	22.614	ug/l	99
79) 2-Chlorotoluene	12.897	91	300130	21.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	361180	22.758	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	23154	19.850	ug/l	88
82) 4-Chlorotoluene	12.991	91	322810	22.421	ug/l	99
83) tert-Butylbenzene	13.208	119	298279	22.107	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	351919	22.185	ug/l	100
85) sec-Butylbenzene	13.385	105	463160	22.760	ug/l	100
86) p-Isopropyltoluene	13.502	119	368270	22.072	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	199833	22.320	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	195226	21.896	ug/l	99
89) n-Butylbenzene	13.826	91	362515	22.429	ug/l	99
90) Hexachloroethane	14.096	117	76483	22.377	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	167505	21.467	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	11817	19.731	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	97943	21.195	ug/l	98
94) Hexachlorobutadiene	15.249	225	55484	21.985	ug/l	98
95) Naphthalene	15.385	128	163102	19.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	86366	21.083	ug/l	99

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

