

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072992.D
 Acq On : 13 May 2022 16:26
 Operator : VA/SY
 Sample : VD0513SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/16/2022
 Supervised By :Mahesh Dadoda 05/16/2022

Quant Time: May 16 05:14:29 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	310653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	501644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	474596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	164042	40.680	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.360%		
35) Dibromofluoromethane	7.914	113	173166	49.152	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.300%		
50) Toluene-d8	10.332	98	621159	49.151	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.300%		
62) 4-Bromofluorobenzene	12.620	95	230593	48.935	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	75163	17.509	ug/l	97
3) Chloromethane	2.209	50	69368	15.538	ug/l	95
4) Vinyl Chloride	2.344	62	65807	16.427	ug/l	100
5) Bromomethane	2.744	94	46900	18.046	ug/l	92
6) Chloroethane	2.909	64	42803	17.144	ug/l	93
7) Trichlorofluoromethane	3.261	101	131764	18.784	ug/l	93
8) Diethyl Ether	3.709	74	34289	17.050	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.091	101	81119	19.478	ug/l	96
10) Methyl Iodide	4.291	142	62156	14.872	ug/l	99
11) Tert butyl alcohol	5.214	59	41169m	117.998	ug/l	
12) 1,1-Dichloroethene	4.061	96	67890	18.124	ug/l	88
13) Acrolein	3.920	56	17008	57.194	ug/l	99
14) Allyl chloride	4.708	41	102792	16.997	ug/l	92
15) Acrylonitrile	5.420	53	81261	85.023	ug/l	97
16) Acetone	4.161	43	59452	68.655	ug/l	95
17) Carbon Disulfide	4.403	76	189929	16.125	ug/l	100
18) Methyl Acetate	4.714	43	41714	18.857	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	150949	16.809	ug/l	98
20) Methylene Chloride	4.967	84	109023	18.659	ug/l #	84
21) trans-1,2-Dichloroethene	5.473	96	78364	18.241	ug/l #	79
22) Diisopropyl ether	6.355	45	231929	17.433	ug/l	95
23) Vinyl Acetate	6.303	43	579251	78.819	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	143815	17.993	ug/l	99
25) 2-Butanone	7.208	43	94310	80.267	ug/l	94
26) 2,2-Dichloropropane	7.202	77	121572	17.992	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	88514	17.989	ug/l	91
28) Bromochloromethane	7.538	49	50885	17.072	ug/l	84
29) Tetrahydrofuran	7.555	42	59808	79.859	ug/l	92
30) Chloroform	7.702	83	151287	17.888	ug/l	96
31) Cyclohexane	7.985	56	124812	17.706	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	133719	18.552	ug/l	97
36) 1,1-Dichloropropene	8.102	75	111873	19.529	ug/l	98
37) Ethyl Acetate	7.285	43	44742	16.990	ug/l #	92
38) Carbon Tetrachloride	8.085	117	119542	20.102	ug/l	93
39) Methylcyclohexane	9.349	83	122802	18.481	ug/l	98
40) Benzene	8.344	78	318028	19.224	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	28063	17.897	ug/l	94
42) 1,2-Dichloroethane	8.420	62	89192	17.891	ug/l	99
43) Isopropyl Acetate	8.449	43	84543	17.393	ug/l	92
44) Trichloroethene	9.108	130	86083	19.450	ug/l	90
45) 1,2-Dichloropropane	9.379	63	81964	18.866	ug/l	97
46) Dibromomethane	9.467	93	43862	18.302	ug/l	98
47) Bromodichloromethane	9.655	83	117392	19.041	ug/l	94
48) Methyl methacrylate	9.449	41	40730	17.129	ug/l #	89
49) 1,4-Dioxane	9.461	88	8988	333.043	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	225604	89.321	ug/l	95
52) Toluene	10.396	92	208699	20.223	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	103163	18.217	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	122806	18.666	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	62358	19.247	ug/l	96
56) Ethyl methacrylate	10.649	69	68715	18.014	ug/l	89
57) 1,3-Dichloropropane	10.938	76	102073	18.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	139667	75.517	ug/l	95
59) 2-Hexanone	10.973	43	146976	86.479	ug/l	96
60) Dibromochloromethane	11.132	129	77237	18.938	ug/l	99
61) 1,2-Dibromoethane	11.238	107	57731	18.307	ug/l	97
64) Tetrachloroethene	10.867	164	71465	20.596	ug/l	97
65) Chlorobenzene	11.661	112	214928	19.580	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	84437	20.468	ug/l	97
67) Ethyl Benzene	11.738	91	381155	20.064	ug/l	98
68) m/p-Xylenes	11.843	106	298065	40.732	ug/l	99
69) o-Xylene	12.167	106	138401	20.251	ug/l	96
70) Styrene	12.185	104	240057	20.273	ug/l	98
71) Bromoform	12.349	173	43451	19.434	ug/l #	99
73) Isopropylbenzene	12.467	105	374221	20.110	ug/l	99
74) N-amyl acetate	12.273	43	82759	17.859	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	70462	18.758	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	50495m	18.933	ug/l	
77) Bromobenzene	12.749	156	87676	19.841	ug/l	93
78) n-propylbenzene	12.808	91	477535	20.361	ug/l	99
79) 2-Chlorotoluene	12.896	91	270086	19.714	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	322373	20.431	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	20768	17.907	ug/l	90
82) 4-Chlorotoluene	12.990	91	287943	20.115	ug/l	100
83) tert-Butylbenzene	13.208	119	260820	19.443	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	318540	20.196	ug/l	99
85) sec-Butylbenzene	13.384	105	417673	20.643	ug/l	99
86) p-Isopropyltoluene	13.502	119	342920	20.672	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	176635	19.843	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	177551	20.029	ug/l	99
89) n-Butylbenzene	13.826	91	327395	20.374	ug/l	99
90) Hexachloroethane	14.096	117	68282	20.093	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	154771	19.950	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	10954	18.396	ug/l	95
93) 1,2,4-Trichlorobenzene	15.137	180	87164	18.971	ug/l	99
94) Hexachlorobutadiene	15.243	225	50796	20.244	ug/l	97
95) Naphthalene	15.379	128	149363	17.681	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	77012	18.909	ug/l	99

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

