

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072886.D
 Acq On : 09 May 2022 13:06
 Operator : VA/SY
 Sample : VD0509SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2022
 Supervised By : Mahesh Dadoda 05/10/2022

Quant Time: May 09 16:10:18 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	333909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	552830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	535422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	262717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	214791	49.555	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.100%		
35) Dibromofluoromethane	7.908	113	212454	54.720	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.440%		
50) Toluene-d8	10.332	98	771299	55.381	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	110.760%		
62) 4-Bromofluorobenzene	12.620	95	288066	55.471	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	110.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	90390	19.590	ug/l	100
3) Chloromethane	2.209	50	87209	18.174	ug/l	99
4) Vinyl Chloride	2.350	62	85607	19.882	ug/l	96
5) Bromomethane	2.756	94	58658	21.259	ug/l	91
6) Chloroethane	2.914	64	53898	20.084	ug/l	98
7) Trichlorofluoromethane	3.267	101	153852	20.405	ug/l	98
8) Diethyl Ether	3.709	74	38330	17.732	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	95348	21.300	ug/l	97
10) Methyl Iodide	4.297	142	85529	19.039	ug/l	100
11) Tert butyl alcohol	5.185	59	67211	179.222	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	79545	19.756	ug/l	97
13) Acrolein	3.920	56	25153	85.512	ug/l	98
14) Allyl chloride	4.714	41	129060	19.854	ug/l	94
15) Acrylonitrile	5.408	53	91535	89.102	ug/l	95
16) Acetone	4.150	43	77442	86.329	ug/l	95
17) Carbon Disulfide	4.409	76	235680	18.616	ug/l	99
18) Methyl Acetate	4.714	43	46997	19.777	ug/l	96
19) Methyl tert-butyl Ether	5.485	73	178515	18.495	ug/l	99
20) Methylene Chloride	4.961	84	111240	17.347	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	90835	19.671	ug/l	92
22) Diisopropyl ether	6.361	45	277858	19.431	ug/l	95
23) Vinyl Acetate	6.303	43	710685	89.968	ug/l #	92
24) 1,1-Dichloroethane	6.261	63	171150	19.921	ug/l	98
25) 2-Butanone	7.208	43	112128	88.786	ug/l	97
26) 2,2-Dichloropropane	7.202	77	145679	20.058	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	103764	19.620	ug/l	93
28) Bromochloromethane	7.544	49	57685	18.005	ug/l	89
29) Tetrahydrofuran	7.561	42	71610	88.958	ug/l	97
30) Chloroform	7.702	83	181545	19.971	ug/l	95
31) Cyclohexane	7.979	56	148758	19.633	ug/l #	87
32) 1,1,1-Trichloroethane	7.897	97	159693	20.612	ug/l	95
36) 1,1-Dichloropropene	8.108	75	134671	21.332	ug/l	98
37) Ethyl Acetate	7.285	43	51189	17.638	ug/l #	95
38) Carbon Tetrachloride	8.091	117	138710	21.166	ug/l	97
39) Methylcyclohexane	9.349	83	149611	20.431	ug/l	98
40) Benzene	8.344	78	376972	20.677	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	33976	19.661	ug/l	95
42) 1,2-Dichloroethane	8.420	62	106254	19.340	ug/l	96
43) Isopropyl Acetate	8.449	43	98029	18.301	ug/l	94
44) Trichloroethene	9.108	130	99775	20.456	ug/l	95
45) 1,2-Dichloropropane	9.379	63	94819	19.804	ug/l	95
46) Dibromomethane	9.467	93	52497	19.877	ug/l	97
47) Bromodichloromethane	9.655	83	132560	19.510	ug/l	99
48) Methyl methacrylate	9.449	41	50593	19.306	ug/l	91
49) 1,4-Dioxane	9.455	88	10296	346.186	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	262504	94.308	ug/l	97
52) Toluene	10.396	92	238635	20.983	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	122197	19.580	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	145786	20.107	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	68952	19.312	ug/l	97
56) Ethyl methacrylate	10.655	69	79360	18.878	ug/l #	88
57) 1,3-Dichloropropane	10.938	76	120275	19.630	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	179202	87.922	ug/l	95
59) 2-Hexanone	10.973	43	173654	92.716	ug/l	98
60) Dibromochloromethane	11.132	129	87486	19.465	ug/l	99
61) 1,2-Dibromoethane	11.238	107	65235	18.771	ug/l	96
64) Tetrachloroethene	10.867	164	81643	20.856	ug/l	90
65) Chlorobenzene	11.661	112	251433	20.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	96645	20.766	ug/l	99
67) Ethyl Benzene	11.738	91	449260	20.962	ug/l	98
68) m/p-Xylenes	11.843	106	356480	43.180	ug/l	99
69) o-Xylene	12.173	106	159870	20.735	ug/l	98
70) Styrene	12.185	104	282422	21.141	ug/l	96
71) Bromoform	12.349	173	47840	18.967	ug/l #	97
73) Isopropylbenzene	12.467	105	441590	21.604	ug/l	100
74) N-amyl acetate	12.279	43	97314	19.118	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	77600	18.807	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	47479m	16.207	ug/l	
77) Bromobenzene	12.749	156	98234	20.239	ug/l	97
78) n-propylbenzene	12.808	91	556518	21.603	ug/l	100
79) 2-Chlorotoluene	12.896	91	318053	21.135	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	378829	21.857	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	24836	19.496	ug/l	90
82) 4-Chlorotoluene	12.990	91	329835	20.977	ug/l	99
83) tert-Butylbenzene	13.208	119	316974	21.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	369628	21.336	ug/l	98
85) sec-Butylbenzene	13.390	105	479383	21.570	ug/l	100
86) p-Isopropyltoluene	13.502	119	391889	21.507	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	201989	20.658	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	201625	20.707	ug/l	100
89) n-Butylbenzene	13.826	91	380807	21.574	ug/l	99
90) Hexachloroethane	14.096	117	79325	21.251	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	174706	20.501	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11418	17.457	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	103099	20.429	ug/l	96
94) Hexachlorobutadiene	15.249	225	58214	21.121	ug/l	95
95) Naphthalene	15.384	128	169930	18.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	86727	19.386	ug/l	98

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

