

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073114.D
 Acq On : 18 May 2022 23:54
 Operator : VA/SY
 Sample : VD0518SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0518SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 19 04:49:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	202395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	356869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	366821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	189169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	126305	49.901	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.800%		
35) Dibromofluoromethane	7.908	113	109320	43.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.260%		
50) Toluene-d8	10.332	98	355575	39.118	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.240%		
62) 4-Bromofluorobenzene	12.620	95	144979	44.035	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	49068	19.388	ug/l	92
3) Chloromethane	2.209	50	52739	20.213	ug/l	95
4) Vinyl Chloride	2.344	62	46162	19.238	ug/l	100
5) Bromomethane	2.750	94	35847	21.033	ug/l	99
6) Chloroethane	2.909	64	30092	20.138	ug/l	95
7) Trichlorofluoromethane	3.262	101	83109	18.926	ug/l	94
8) Diethyl Ether	3.709	74	28791	23.961	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	50399	19.382	ug/l	97
10) Methyl Iodide	4.297	142	46828	18.429	ug/l	100
11) Tert butyl alcohol	5.203	59	39750m	101.532	ug/l	
12) 1,1-Dichloroethene	4.061	96	43965	18.697	ug/l	93
13) Acrolein	3.920	56	29454	129.879	ug/l	96
14) Allyl chloride	4.708	41	76393	20.506	ug/l	90
15) Acrylonitrile	5.420	53	77328	134.278	ug/l	98
16) Acetone	4.156	43	60756	132.644	ug/l	92
17) Carbon Disulfide	4.403	76	146352	18.583	ug/l	97
18) Methyl Acetate	4.714	43	35437	26.333	ug/l	92
19) Methyl tert-butyl Ether	5.467	73	127485	23.183	ug/l	97
20) Methylene Chloride	4.956	84	95416	28.702	ug/l #	85
21) trans-1,2-Dichloroethene	5.467	96	55997	20.020	ug/l	92
22) Diisopropyl ether	6.355	45	184434	23.064	ug/l	97
23) Vinyl Acetate	6.303	43	520173	120.413	ug/l #	94
24) 1,1-Dichloroethane	6.250	63	105516	21.210	ug/l	99
25) 2-Butanone	7.202	43	89972	129.719	ug/l #	84
26) 2,2-Dichloropropane	7.202	77	77781	18.467	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	64881	21.034	ug/l	92
28) Bromochloromethane	7.538	49	33375	19.585	ug/l #	77
29) Tetrahydrofuran	7.561	42	60588	135.755	ug/l	91
30) Chloroform	7.702	83	112413	21.119	ug/l	100
31) Cyclohexane	7.979	56	81080	17.784	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	92275	20.234	ug/l	94
36) 1,1-Dichloropropene	8.108	75	74669	18.289	ug/l	98
37) Ethyl Acetate	7.285	43	41738	24.343	ug/l #	93
38) Carbon Tetrachloride	8.091	117	80429	19.255	ug/l	96
39) Methylcyclohexane	9.349	83	78609	16.512	ug/l	99
40) Benzene	8.344	78	228153	19.544	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	21024	21.745	ug/l #	75
42) 1,2-Dichloroethane	8.414	62	77894	22.924	ug/l	96
43) Isopropyl Acetate	8.444	43	76163	23.892	ug/l #	93
44) Trichloroethene	9.102	130	58496	18.526	ug/l	94
45) 1,2-Dichloropropane	9.385	63	64590	21.306	ug/l	92
46) Dibromomethane	9.467	93	38030	22.687	ug/l	94
47) Bromodichloromethane	9.655	83	92474	21.720	ug/l	93
48) Methyl methacrylate	9.449	41	33765	21.354	ug/l #	72
49) 1,4-Dioxane	9.455	88	8835	506.235	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	217910	130.989	ug/l	97
52) Toluene	10.396	92	149151	20.124	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	84877	21.859	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	97326	21.259	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	53792	23.510	ug/l	98
56) Ethyl methacrylate	10.649	69	60888	23.530	ug/l	86
57) 1,3-Dichloropropane	10.932	76	89562	23.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	148264	120.610	ug/l	97
59) 2-Hexanone	10.973	43	140712	128.042	ug/l	97
60) Dibromochloromethane	11.132	129	65586	23.072	ug/l	99
61) 1,2-Dibromoethane	11.238	107	53564	24.328	ug/l	99
64) Tetrachloroethene	10.867	164	50888	18.935	ug/l	97
65) Chlorobenzene	11.661	112	165719	19.924	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	63982	20.138	ug/l	96
67) Ethyl Benzene	11.732	91	263426	18.190	ug/l	98
68) m/p-Xylenes	11.843	106	212793	37.912	ug/l	99
69) o-Xylene	12.167	106	98300	18.991	ug/l	97
70) Styrene	12.185	104	178034	19.693	ug/l	97
71) Bromoform	12.349	173	40681	24.319	ug/l #	98
73) Isopropylbenzene	12.467	105	251269	17.524	ug/l	99
74) N-amyl acetate	12.279	43	74349	22.188	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	66611	23.564	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	45462m	21.260	ug/l	
77) Bromobenzene	12.749	156	66658	19.484	ug/l	98
78) n-propylbenzene	12.808	91	318318	17.678	ug/l	99
79) 2-Chlorotoluene	12.890	91	193428	18.440	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	222335	18.201	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	19654	22.038	ug/l	89
82) 4-Chlorotoluene	12.990	91	210591	18.969	ug/l	97
83) tert-Butylbenzene	13.208	119	172062	16.629	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	223519	18.392	ug/l	99
85) sec-Butylbenzene	13.385	105	270406	17.217	ug/l	100
86) p-Isopropyltoluene	13.502	119	223049	17.460	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	137138	19.502	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	142232	20.469	ug/l	96
89) n-Butylbenzene	13.826	91	209786	16.886	ug/l	99
90) Hexachloroethane	14.096	117	48977	18.450	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	123403	20.233	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10218	23.255	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	66904	19.226	ug/l	99
94) Hexachlorobutadiene	15.249	225	33506	17.250	ug/l	96
95) Naphthalene	15.384	128	127918	20.138	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	61937	20.048	ug/l	99

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

