

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073115.D
 Acq On : 19 May 2022 00:22
 Operator : VA/SY
 Sample : VD0518SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 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 04:50:26 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	201777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	355085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	362462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	185191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	125120	49.584	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.160%		
35) Dibromofluoromethane	7.908	113	106732	42.811	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.620%		
50) Toluene-d8	10.331	98	343488	37.978	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	75.960%		
62) 4-Bromofluorobenzene	12.620	95	137234	41.892	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	42750	16.943	ug/l	95
3) Chloromethane	2.208	50	44939	17.277	ug/l	94
4) Vinyl Chloride	2.344	62	38959	16.286	ug/l	92
5) Bromomethane	2.750	94	30779	18.115	ug/l	97
6) Chloroethane	2.908	64	26578	17.841	ug/l	100
7) Trichlorofluoromethane	3.261	101	74081	16.922	ug/l	95
8) Diethyl Ether	3.708	74	25979	21.687	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	44181	17.042	ug/l	97
10) Methyl Iodide	4.285	142	45466	18.060	ug/l	93
11) Tert butyl alcohol	5.196	59	46259	118.520	ug/l #	82
12) 1,1-Dichloroethene	4.055	96	39576	16.882	ug/l	86
13) Acrolein	3.914	56	29410	130.062	ug/l	96
14) Allyl chloride	4.702	41	66534	17.914	ug/l	90
15) Acrylonitrile	5.408	53	75266	131.097	ug/l	96
16) Acetone	4.149	43	60637	132.789	ug/l	94
17) Carbon Disulfide	4.402	76	129285	16.466	ug/l	97
18) Methyl Acetate	4.720	43	36220	26.960	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	123014	22.438	ug/l	98
20) Methylene Chloride	4.955	84	87524	26.408	ug/l	88
21) trans-1,2-Dichloroethene	5.455	96	48198	17.284	ug/l	85
22) Diisopropyl ether	6.361	45	166072	20.832	ug/l	90
23) Vinyl Acetate	6.302	43	494498	114.820	ug/l #	92
24) 1,1-Dichloroethane	6.249	63	93807	18.914	ug/l	97
25) 2-Butanone	7.202	43	92125	133.230	ug/l	92
26) 2,2-Dichloropropane	7.196	77	67387	16.048	ug/l	96
27) cis-1,2-Dichloroethene	7.202	96	57230	18.611	ug/l	93
28) Bromochloromethane	7.538	49	38039	22.390	ug/l #	82
29) Tetrahydrofuran	7.561	42	61074	137.263	ug/l	94
30) Chloroform	7.702	83	100838	19.002	ug/l	98
31) Cyclohexane	7.979	56	74942	16.488	ug/l	90
32) 1,1,1-Trichloroethane	7.896	97	78616	17.292	ug/l	97
36) 1,1-Dichloropropene	8.108	75	64460	15.868	ug/l	94
37) Ethyl Acetate	7.290	43	43670	25.597	ug/l #	93
38) Carbon Tetrachloride	8.085	117	70187	16.888	ug/l	95
39) Methylcyclohexane	9.349	83	70121	14.803	ug/l	98
40) Benzene	8.349	78	204044	17.567	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	24993	25.980	ug/l	92
42) 1,2-Dichloroethane	8.420	62	71731	21.216	ug/l	96
43) Isopropyl Acetate	8.443	43	77399	24.402	ug/l #	95
44) Trichloroethene	9.108	130	54087	17.215	ug/l	88
45) 1,2-Dichloropropane	9.379	63	57177	18.955	ug/l	97
46) Dibromomethane	9.473	93	35602	21.345	ug/l	94
47) Bromodichloromethane	9.655	83	82661	19.513	ug/l	97
48) Methyl methacrylate	9.443	41	33053	21.008	ug/l #	77
49) 1,4-Dioxane	9.461	88	9858	567.689	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	210718	127.302	ug/l	95
52) Toluene	10.396	92	129656	17.582	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	75556	19.556	ug/l	98
54) cis-1,3-Dichloropropene	10.084	75	89284	19.600	ug/l #	87
55) 1,1,2-Trichloroethane	10.784	97	52556	23.085	ug/l #	87
56) Ethyl methacrylate	10.655	69	57267	22.242	ug/l	89
57) 1,3-Dichloropropane	10.937	76	83572	21.574	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.931	63	148294	121.121	ug/l	96
59) 2-Hexanone	10.973	43	139941	127.980	ug/l	96
60) Dibromochloromethane	11.131	129	61365	21.696	ug/l	100
61) 1,2-Dibromoethane	11.237	107	49298	22.503	ug/l	100
64) Tetrachloroethene	10.867	164	43179	16.260	ug/l	96
65) Chlorobenzene	11.661	112	143556	17.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	58902	18.762	ug/l	99
67) Ethyl Benzene	11.737	91	233309	16.304	ug/l	98
68) m/p-Xylenes	11.843	106	184496	33.266	ug/l	99
69) o-Xylene	12.173	106	86947	17.000	ug/l	97
70) Styrene	12.184	104	155952	17.458	ug/l	98
71) Bromoform	12.349	173	39090	23.649	ug/l #	98
73) Isopropylbenzene	12.467	105	215787	15.372	ug/l	99
74) N-amyl acetate	12.278	43	71944	21.931	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	63216	22.843	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	44641m	21.324	ug/l	
77) Bromobenzene	12.749	156	61060	18.231	ug/l	96
78) n-propylbenzene	12.808	91	281081	15.945	ug/l	99
79) 2-Chlorotoluene	12.896	91	167838	16.344	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	193629	16.192	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	18422	21.100	ug/l	91
82) 4-Chlorotoluene	12.990	91	184068	16.936	ug/l	99
83) tert-Butylbenzene	13.208	119	156579	15.458	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	198217	16.660	ug/l	99
85) sec-Butylbenzene	13.384	105	238668	15.522	ug/l	99
86) p-Isopropyltoluene	13.502	119	197630	15.802	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	122269	17.761	ug/l	100
88) 1,4-Dichlorobenzene	13.578	146	122667	18.032	ug/l	99
89) n-Butylbenzene	13.825	91	181027	14.884	ug/l	99
90) Hexachloroethane	14.096	117	43085	16.579	ug/l	97
91) 1,2-Dichlorobenzene	13.872	146	110545	18.515	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	9820	22.829	ug/l	81
93) 1,2,4-Trichlorobenzene	15.143	180	61061	17.924	ug/l	98
94) Hexachlorobutadiene	15.249	225	29925	15.738	ug/l	97
95) Naphthalene	15.384	128	124446	20.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	58508	19.345	ug/l	97

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

