

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076152.D
 Acq On : 19 May 2023 12:34
 Operator : KP/SY
 Sample : VD0519SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0519SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

Quant Time: May 19 15:17:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	193770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	345834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	322844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	163237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96370	51.459	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.920%			
35) Dibromofluoromethane	7.799	113	108279	45.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.600%			
50) Toluene-d8	10.269	98	433710	46.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.080%			
62) 4-Bromofluorobenzene	12.575	95	120864	46.691	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	37679	21.561	ug/l	90
3) Chloromethane	2.146	50	73542	23.248	ug/l	94
4) Vinyl Chloride	2.281	62	87561	23.232	ug/l	99
5) Bromomethane	2.675	94	59725	23.538	ug/l	97
6) Chloroethane	2.828	64	59140	23.324	ug/l	98
7) Trichlorofluoromethane	3.170	101	65200	20.410	ug/l	99
8) Diethyl Ether	3.593	74	22156	21.090	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.964	101	44220	21.015	ug/l	90
10) Methyl Iodide	4.164	142	50480	23.072	ug/l #	88
11) Tert butyl alcohol	5.052	59	11395	115.026	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	43031	20.547	ug/l	93
13) Acrolein	3.793	56	21261	87.691	ug/l	94
14) Allyl chloride	4.558	41	43060	20.259	ug/l #	80
15) Acrylonitrile	5.258	53	46663	107.276	ug/l	98
16) Acetone	4.022	43	39270	105.393	ug/l #	80
17) Carbon Disulfide	4.264	76	127015	20.775	ug/l	97
18) Methyl Acetate	4.564	43	27578	20.749	ug/l #	74
19) Methyl tert-butyl Ether	5.322	73	83287	20.319	ug/l	96
20) Methylene Chloride	4.799	84	72349	18.539	ug/l #	76
21) trans-1,2-Dichloroethene	5.311	96	48654	20.158	ug/l #	79
22) Diisopropyl ether	6.216	45	106567	21.601	ug/l #	88
23) Vinyl Acetate	6.158	43	243230	125.390	ug/l #	90
24) 1,1-Dichloroethane	6.111	63	82989	21.330	ug/l #	97
25) 2-Butanone	7.081	43	52820	112.743	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	66385	20.925	ug/l	90
27) cis-1,2-Dichloroethene	7.075	96	55196	20.608	ug/l	84
28) Bromochloromethane	7.428	49	28685	22.111	ug/l #	66
29) Tetrahydrofuran	7.446	42	29141	106.716	ug/l #	68
30) Chloroform	7.599	83	87436	21.014	ug/l	97
31) Cyclohexane	7.875	56	58775	20.492	ug/l #	81
32) 1,1,1-Trichloroethane	7.787	97	69219	20.875	ug/l	98
36) 1,1-Dichloropropene	8.005	75	61941	19.186	ug/l	94
37) Ethyl Acetate	7.169	43	23041	20.610	ug/l #	88
38) Carbon Tetrachloride	7.987	117	53326	18.286	ug/l	96
39) Methylcyclohexane	9.269	83	63810	17.167	ug/l	95
40) Benzene	8.252	78	197910	19.067	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	13042	21.276	ug/l #	65
42) 1,2-Dichloroethane	8.328	62	47946	19.530	ug/l	91
43) Isopropyl Acetate	8.357	43	39494	18.912	ug/l #	82
44) Trichloroethene	9.028	130	51755	17.693	ug/l	93
45) 1,2-Dichloropropane	9.304	63	48048	18.767	ug/l	90
46) Dibromomethane	9.399	93	26961	18.787	ug/l	94
47) Bromodichloromethane	9.587	83	66217	19.199	ug/l	94
48) Methyl methacrylate	9.381	41	16085	17.403	ug/l #	58
49) 1,4-Dioxane	9.387	88	5974	389.286	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	104630	94.203	ug/l #	82
52) Toluene	10.334	92	125978	19.433	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	59594	19.171	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	71417	18.826	ug/l #	78
55) 1,1,2-Trichloroethane	10.734	97	39580	19.233	ug/l	93
56) Ethyl methacrylate	10.599	69	37157	17.963	ug/l #	71
57) 1,3-Dichloropropane	10.881	76	62855	19.468	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	94405	95.120	ug/l	92
59) 2-Hexanone	10.922	43	72673	92.779	ug/l	77
60) Dibromochloromethane	11.075	129	43954	18.995	ug/l	96
61) 1,2-Dibromoethane	11.181	107	36407	19.888	ug/l	99
64) Tetrachloroethene	10.810	164	40654	16.376	ug/l	98
65) Chlorobenzene	11.610	112	134232	18.263	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	45812	18.112	ug/l	94
67) Ethyl Benzene	11.687	91	214995	18.306	ug/l	96
68) m/p-Xylenes	11.793	106	181067	37.723	ug/l	89
69) o-Xylene	12.122	106	79294	18.105	ug/l	92
70) Styrene	12.140	104	141070	18.578	ug/l	94
71) Bromoform	12.298	173	25383	17.841	ug/l #	100
73) Isopropylbenzene	12.422	105	200600	18.577	ug/l	98
74) N-amyl acetate	12.234	43	35390	18.400	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	44897	19.345	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	31183m	21.830	ug/l	
77) Bromobenzene	12.698	156	51032	17.632	ug/l	97
78) n-propylbenzene	12.763	91	257195	19.135	ug/l	99
79) 2-Chlorotoluene	12.851	91	140454	18.881	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	173582	19.391	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.475	75	12987	19.073	ug/l #	73
82) 4-Chlorotoluene	12.945	91	153194	19.361	ug/l	95
83) tert-Butylbenzene	13.169	119	138589	18.319	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	168617	18.914	ug/l	95
85) sec-Butylbenzene	13.345	105	223861	18.987	ug/l	99
86) p-Isopropyltoluene	13.463	119	179686	18.626	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	107256	18.329	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	110401	19.053	ug/l	98
89) n-Butylbenzene	13.787	91	165892	18.247	ug/l	99
90) Hexachloroethane	14.057	117	36847	18.568	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	93098	18.129	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5775	19.164	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	58286	19.512	ug/l	97
94) Hexachlorobutadiene	15.204	225	30353	19.929	ug/l	99
95) Naphthalene	15.334	128	105531	19.013	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	55095	20.280	ug/l	98

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

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