

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011923\
 Data File : VD075137.D
 Acq On : 19 Jan 2023 13:15
 Operator : KP/SY
 Sample : VD0119SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0119SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 00:36:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	86973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	158884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	143869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	65266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	48580	54.738	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.480%	
35) Dibromofluoromethane	7.810	113	49618	51.681	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.360%	
50) Toluene-d8	10.269	98	195654	51.757	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.520%	
62) 4-Bromofluorobenzene	12.575	95	62317	51.943	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.880%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	17962	24.813	ug/l	98
3) Chloromethane	2.146	50	24774	22.051	ug/l	98
4) Vinyl Chloride	2.281	62	24977	20.719	ug/l	99
5) Bromomethane	2.681	94	16155	19.704	ug/l	96
6) Chloroethane	2.834	64	17159	20.528	ug/l	97
7) Trichlorofluoromethane	3.175	101	33385	21.787	ug/l	94
8) Diethyl Ether	3.587	74	10422	21.109	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	20991	22.190	ug/l	97
10) Methyl Iodide	4.164	142	22451	17.631	ug/l	98
11) Tert butyl alcohol	5.046	59	8445	136.399	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	21325	21.414	ug/l	94
13) Acrolein	3.799	56	7610	136.020	ug/l	98
14) Allyl chloride	4.564	41	35182	21.768	ug/l	98
15) Acrylonitrile	5.252	53	23275	111.487	ug/l	98
16) Acetone	4.022	43	24015	102.597	ug/l	92
17) Carbon Disulfide	4.269	76	71229	22.052	ug/l	99
18) Methyl Acetate	4.564	43	14319	22.506	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	43753	21.032	ug/l	99
20) Methylene Chloride	4.799	84	27138	17.078	ug/l	97
21) trans-1,2-Dichloroethene	5.316	96	23385	21.094	ug/l	98
22) Diisopropyl ether	6.222	45	64596	21.474	ug/l	98
23) Vinyl Acetate	6.158	43	146235m	110.300	ug/l	
24) 1,1-Dichloroethane	6.116	63	40857	21.613	ug/l	95
25) 2-Butanone	7.087	43	31462	111.211	ug/l	96
26) 2,2-Dichloropropane	7.081	77	34307	20.358	ug/l	98
27) cis-1,2-Dichloroethene	7.087	96	25866	21.404	ug/l	100
28) Bromochloromethane	7.428	49	12067	23.380	ug/l	95
29) Tetrahydrofuran	7.440	42	17502	108.468	ug/l	96
30) Chloroform	7.599	83	41804	22.176	ug/l	98
31) Cyclohexane	7.881	56	39278	22.067	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	34482	21.231	ug/l	99
36) 1,1-Dichloropropene	8.010	75	32026	20.762	ug/l	99
37) Ethyl Acetate	7.175	43	12947	20.833	ug/l	95
38) Carbon Tetrachloride	7.987	117	26402	20.328	ug/l	94
39) Methylcyclohexane	9.275	83	39950	21.015	ug/l	98
40) Benzene	8.252	78	92337	20.990	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	7120	19.040	ug/l	93
42) 1,2-Dichloroethane	8.328	62	23436	20.282	ug/l	97
43) Isopropyl Acetate	8.363	43	24491	20.251	ug/l	100
44) Trichloroethene	9.028	130	24304	19.647	ug/l	91
45) 1,2-Dichloropropane	9.304	63	22901	21.134	ug/l	97
46) Dibromomethane	9.393	93	12382	21.666	ug/l	91
47) Bromodichloromethane	9.587	83	28637	20.198	ug/l	99
48) Methyl methacrylate	9.381	41	12271	20.750	ug/l	98
49) 1,4-Dioxane	9.387	88	2235	409.654	ug/l	89
51) 4-Methyl-2-Pentanone	10.163	43	60891	104.848	ug/l	96
52) Toluene	10.334	92	57299	20.611	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	28047	20.909	ug/l	95
54) cis-1,3-Dichloropropene	10.022	75	34077	20.794	ug/l	99
55) 1,1,2-Trichloroethane	10.740	97	16403	21.688	ug/l	91
56) Ethyl methacrylate	10.599	69	18448	20.283	ug/l	99
57) 1,3-Dichloropropane	10.881	76	27664	21.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	34144	109.709	ug/l	96
59) 2-Hexanone	10.922	43	43888	104.515	ug/l	99
60) Dibromochloromethane	11.075	129	18498	20.292	ug/l	100
61) 1,2-Dibromoethane	11.181	107	15017	20.782	ug/l	98
64) Tetrachloroethene	10.810	164	20134	19.598	ug/l	97
65) Chlorobenzene	11.610	112	59109	20.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	19382	19.546	ug/l	98
67) Ethyl Benzene	11.687	91	108648	20.474	ug/l	98
68) m/p-Xylenes	11.798	106	83831	40.894	ug/l	98
69) o-Xylene	12.122	106	38975	20.269	ug/l	97
70) Styrene	12.134	104	66444	20.786	ug/l	98
71) Bromoform	12.304	173	9927	19.388	ug/l #	100
73) Isopropylbenzene	12.422	105	102293	19.842	ug/l	99
74) N-amyl acetate	12.234	43	21689	19.206	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	17190	20.928	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	10496m	18.989	ug/l	
77) Bromobenzene	12.704	156	22830	19.388	ug/l	96
78) n-propylbenzene	12.769	91	126623	19.988	ug/l	100
79) 2-Chlorotoluene	12.851	91	70062	20.109	ug/l	100
80) 1,3,5-Trimethylbenzene	12.910	105	84533	20.014	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	4648	19.505	ug/l	96
82) 4-Chlorotoluene	12.951	91	72024	20.106	ug/l	99
83) tert-Butylbenzene	13.169	119	71293	19.508	ug/l	100
84) 1,2,4-Trimethylbenzene	13.216	105	82411	19.868	ug/l	99
85) sec-Butylbenzene	13.345	105	109919	19.799	ug/l	99
86) p-Isopropyltoluene	13.463	119	90083	19.819	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	44817	19.634	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	45438	20.233	ug/l	99
89) n-Butylbenzene	13.792	91	87463	19.748	ug/l	98
90) Hexachloroethane	14.057	117	15650	19.498	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	39667	20.313	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2583	20.567	ug/l	94
93) 1,2,4-Trichlorobenzene	15.104	180	22808	17.786	ug/l	94
94) Hexachlorobutadiene	15.204	225	10989	17.486	ug/l	95
95) Naphthalene	15.334	128	45322	17.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	20270	18.525	ug/l	99

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

