

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076187.D
 Acq On : 23 May 2023 10:19
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2023
 Supervised By :Mahesh Dadoda 05/24/2023

Quant Time: May 23 15:01:39 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	212830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	352426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	331341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	176671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91168	44.322	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	88.640%	
35) Dibromofluoromethane	7.804	113	107081	43.957	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	87.920%	
50) Toluene-d8	10.269	98	424564	44.708	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	89.420%	
62) 4-Bromofluorobenzene	12.575	95	120889	45.827	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	91.660%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	78224	40.753	ug/l	95
3) Chloromethane	2.146	50	153991	48.737	ug/l	98
4) Vinyl Chloride	2.281	62	195398	47.201	ug/l	100
5) Bromomethane	2.687	94	119841	43.000	ug/l	100
6) Chloroethane	2.834	64	135403	48.618	ug/l	97
7) Trichlorofluoromethane	3.169	101	153995	43.888	ug/l	99
8) Diethyl Ether	3.599	74	50198	43.503	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.963	101	102721	44.444	ug/l	95
10) Methyl Iodide	4.163	142	113618	47.279	ug/l	91
11) Tert butyl alcohol	5.058	59	23831	219.017	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	100203	43.562	ug/l	94
13) Acrolein	3.799	56	52684	197.836	ug/l	96
14) Allyl chloride	4.563	41	103524	44.345	ug/l #	80
15) Acrylonitrile	5.258	53	115206	241.134	ug/l	96
16) Acetone	4.022	43	95939	234.423	ug/l #	75
17) Carbon Disulfide	4.269	76	276345	44.054	ug/l	97
18) Methyl Acetate	4.563	43	69718	47.756	ug/l #	78
19) Methyl tert-butyl Ether	5.310	73	217035	48.206	ug/l	100
20) Methylene Chloride	4.799	84	141280	41.965	ug/l #	77
21) trans-1,2-Dichloroethene	5.305	96	119737	45.165	ug/l #	78
22) Diisopropyl ether	6.216	45	272507	50.290	ug/l #	92
23) Vinyl Acetate	6.157	43	627766	294.643	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	200769	46.980	ug/l	96
25) 2-Butanone	7.081	43	123819	240.619	ug/l #	79
26) 2,2-Dichloropropane	7.075	77	163528	46.929	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	136924	46.543	ug/l	83
28) Bromochloromethane	7.422	49	66825	46.897	ug/l #	65
29) Tetrahydrofuran	7.440	42	75799	252.722	ug/l #	71
30) Chloroform	7.593	83	215684	47.195	ug/l	100
31) Cyclohexane	7.875	56	138586	43.992	ug/l #	81
32) 1,1,1-Trichloroethane	7.793	97	169474	46.533	ug/l	98
36) 1,1-Dichloropropene	8.004	75	152646	46.397	ug/l	96
37) Ethyl Acetate	7.163	43	56226	49.353	ug/l #	85
38) Carbon Tetrachloride	7.987	117	133021	44.762	ug/l	99
39) Methylcyclohexane	9.275	83	169614	44.779	ug/l	93
40) Benzene	8.251	78	479308	45.314	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	31220	49.978	ug/l #	76
42) 1,2-Dichloroethane	8.328	62	115585	46.200	ug/l	93
43) Isopropyl Acetate	8.357	43	97427	45.780	ug/l #	82
44) Trichloroethene	9.028	130	124670	41.822	ug/l	95
45) 1,2-Dichloropropane	9.304	63	119128	45.660	ug/l	93
46) Dibromomethane	9.393	93	66250	45.301	ug/l	96
47) Bromodichloromethane	9.581	83	161668	45.997	ug/l	96
48) Methyl methacrylate	9.381	41	42975	45.626	ug/l #	60
49) 1,4-Dioxane	9.387	88	14725	941.583	ug/l #	75
51) 4-Methyl-2-Pentanone	10.157	43	271541	239.907	ug/l #	79
52) Toluene	10.334	92	313956	47.524	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	148007	46.723	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	180666	46.734	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	97491	46.487	ug/l	96
56) Ethyl methacrylate	10.598	69	104735	49.686	ug/l #	68
57) 1,3-Dichloropropane	10.881	76	155906	47.385	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	247148	244.362	ug/l	91
59) 2-Hexanone	10.922	43	197184	247.030	ug/l	76
60) Dibromochloromethane	11.075	129	111297	47.198	ug/l	98
61) 1,2-Dibromoethane	11.181	107	86720	46.485	ug/l	99
64) Tetrachloroethene	10.810	164	102505	40.231	ug/l	97
65) Chlorobenzene	11.610	112	331650	43.967	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	118119	45.502	ug/l	95
67) Ethyl Benzene	11.687	91	572310	47.481	ug/l	96
68) m/p-Xylenes	11.792	106	473378	96.093	ug/l	90
69) o-Xylene	12.122	106	213444	47.484	ug/l	91
70) Styrene	12.134	104	388067	49.795	ug/l	92
71) Bromoform	12.298	173	63663	43.600	ug/l #	96
73) Isopropylbenzene	12.422	105	540259	46.227	ug/l	97
74) N-amyl acetate	12.234	43	92073	44.230	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.675	83	107976	42.987	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	74849m	48.414	ug/l	
77) Bromobenzene	12.698	156	132057	42.158	ug/l	93
78) n-propylbenzene	12.763	91	680702	46.793	ug/l	98
79) 2-Chlorotoluene	12.851	91	363533	45.153	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	448364	46.278	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	33514	45.476	ug/l #	71
82) 4-Chlorotoluene	12.945	91	386827	45.171	ug/l	93
83) tert-Butylbenzene	13.169	119	379789	46.384	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	459460	47.619	ug/l	94
85) sec-Butylbenzene	13.345	105	599987	47.019	ug/l	97
86) p-Isopropyltoluene	13.463	119	501036	47.986	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	280203	44.242	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	278427	44.398	ug/l	97
89) n-Butylbenzene	13.786	91	452794	46.018	ug/l	98
90) Hexachloroethane	14.057	117	94877	44.176	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	245217	44.119	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14314	43.889	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	129767	40.138	ug/l	96
94) Hexachlorobutadiene	15.204	225	63695	38.640	ug/l	98
95) Naphthalene	15.333	128	258672	43.061	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	118082	40.160	ug/l	99

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

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