

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076207.D
 Acq On : 24 May 2023 11:01
 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 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 24 16:23:50 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	211480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	356869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	173322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90121	44.093	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.180%		
35) Dibromofluoromethane	7.805	113	109598	44.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.860%		
50) Toluene-d8	10.269	98	428133	44.523	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.040%		
62) 4-Bromofluorobenzene	12.575	95	120724	45.195	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	87321	45.782	ug/l	98
3) Chloromethane	2.146	50	154258	49.172	ug/l	97
4) Vinyl Chloride	2.281	62	204643	49.750	ug/l	99
5) Bromomethane	2.687	94	133632	48.254	ug/l	97
6) Chloroethane	2.834	64	144538	52.229	ug/l	100
7) Trichlorofluoromethane	3.170	101	162389	46.576	ug/l	97
8) Diethyl Ether	3.593	74	56839	49.573	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.964	101	111567	48.580	ug/l	93
10) Methyl Iodide	4.158	142	128379	53.763	ug/l	89
11) Tert butyl alcohol	5.058	59	27879	257.856	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	109717	48.002	ug/l	89
13) Acrolein	3.799	56	52901	199.919	ug/l	98
14) Allyl chloride	4.564	41	106149	45.760	ug/l #	82
15) Acrylonitrile	5.258	53	121536	256.007	ug/l	98
16) Acetone	4.017	43	112662	277.043	ug/l #	71
17) Carbon Disulfide	4.270	76	284602	45.768	ug/l	98
18) Methyl Acetate	4.564	43	74906	51.637	ug/l #	78
19) Methyl tert-butyl Ether	5.317	73	231620	51.774	ug/l	99
20) Methylene Chloride	4.799	84	143501	43.186	ug/l #	78
21) trans-1,2-Dichloroethene	5.311	96	124345	47.203	ug/l	82
22) Diisopropyl ether	6.216	45	280759	52.144	ug/l #	89
23) Vinyl Acetate	6.152	43	661306m	312.367	ug/l	
24) 1,1-Dichloroethane	6.105	63	209937	49.439	ug/l	99
25) 2-Butanone	7.081	43	136915	267.768	ug/l #	74
26) 2,2-Dichloropropane	7.075	77	173188	50.018	ug/l	90
27) cis-1,2-Dichloroethene	7.075	96	146042	49.959	ug/l	84
28) Bromochloromethane	7.428	49	67240	47.489	ug/l #	62
29) Tetrahydrofuran	7.440	42	78675	263.985	ug/l #	67
30) Chloroform	7.599	83	223427	49.202	ug/l	95
31) Cyclohexane	7.875	56	151763	48.482	ug/l	85
32) 1,1,1-Trichloroethane	7.793	97	176897	48.882	ug/l	98
36) 1,1-Dichloropropene	8.005	75	158364	47.536	ug/l	94
37) Ethyl Acetate	7.164	43	57439	49.790	ug/l #	84
38) Carbon Tetrachloride	7.993	117	144436	47.998	ug/l	99
39) Methylcyclohexane	9.269	83	179949	46.916	ug/l	94
40) Benzene	8.252	78	499853	46.668	ug/l	98

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41) Methacrylonitrile	7.405	41	29327	46.363	ug/l #	68
42) 1,2-Dichloroethane	8.328	62	116115	45.834	ug/l	91
43) Isopropyl Acetate	8.363	43	103509	48.032	ug/l #	83
44) Trichloroethene	9.028	130	136224	45.129	ug/l	93
45) 1,2-Dichloropropane	9.305	63	123281	46.664	ug/l	92
46) Dibromomethane	9.393	93	68516	46.268	ug/l	94
47) Bromodichloromethane	9.587	83	166244	46.710	ug/l	96
48) Methyl methacrylate	9.381	41	47703	50.015	ug/l #	61
49) 1,4-Dioxane	9.387	88	16867	1065.124	ug/l #	75
51) 4-Methyl-2-Pentanone	10.157	43	290285	253.274	ug/l #	82
52) Toluene	10.334	92	320685	47.938	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	151555	47.248	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	191116	48.821	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	101478	47.786	ug/l	97
56) Ethyl methacrylate	10.599	69	105338	49.350	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	160419	48.150	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	248985	243.114	ug/l	92
59) 2-Hexanone	10.922	43	215574	266.706	ug/l	76
60) Dibromochloromethane	11.075	129	115502	48.372	ug/l	99
61) 1,2-Dibromoethane	11.181	107	90259	47.780	ug/l	96
64) Tetrachloroethene	10.810	164	109590	43.606	ug/l	96
65) Chlorobenzene	11.610	112	352381	47.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	123210	48.119	ug/l	95
67) Ethyl Benzene	11.687	91	591348	49.739	ug/l	97
68) m/p-Xylenes	11.793	106	491333	101.116	ug/l	89
69) o-Xylene	12.122	106	224862	50.716	ug/l	92
70) Styrene	12.134	104	395951	51.509	ug/l	94
71) Bromoform	12.299	173	66787	46.372	ug/l #	97
73) Isopropylbenzene	12.422	105	572605	49.942	ug/l	98
74) N-amyl acetate	12.234	43	95296	46.663	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.675	83	115781	46.985	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	78023m	51.442	ug/l	
77) Bromobenzene	12.704	156	138735	45.145	ug/l	91
78) n-propylbenzene	12.763	91	701959	49.187	ug/l	97
79) 2-Chlorotoluene	12.851	91	379214	48.011	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	469082	49.352	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	33818	46.775	ug/l #	72
82) 4-Chlorotoluene	12.951	91	390439	46.473	ug/l	93
83) tert-Butylbenzene	13.169	119	397351	49.467	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	469187	49.567	ug/l	93
85) sec-Butylbenzene	13.346	105	622506	49.726	ug/l	97
86) p-Isopropyltoluene	13.463	119	511825	49.967	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	291852	46.972	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	290230	47.174	ug/l	97
89) n-Butylbenzene	13.787	91	478222	49.541	ug/l	99
90) Hexachloroethane	14.057	117	98448	46.724	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	250872	46.009	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	14627	45.715	ug/l	76
93) 1,2,4-Trichlorobenzene	15.098	180	141718	44.682	ug/l	97
94) Hexachlorobutadiene	15.204	225	68313	42.243	ug/l	98
95) Naphthalene	15.334	128	283996	48.190	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	129435	44.872	ug/l	98

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

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