

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051723\
 Data File : VD076119.D
 Acq On : 17 May 2023 12:24
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 18 05:13:03 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	225814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	379731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	356262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	186551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100743	46.161	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.320%		
35) Dibromofluoromethane	7.804	113	117429	44.739	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.480%		
50) Toluene-d8	10.269	98	474795	46.403	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.800%		
62) 4-Bromofluorobenzene	12.575	95	131311	46.199	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	95728	47.004	ug/l	96
3) Chloromethane	2.146	50	181047	54.532	ug/l	100
4) Vinyl Chloride	2.281	62	229819	52.324	ug/l	99
5) Bromomethane	2.687	94	143086	48.388	ug/l	96
6) Chloroethane	2.834	64	149891	50.725	ug/l	93
7) Trichlorofluoromethane	3.169	101	175275	47.081	ug/l	97
8) Diethyl Ether	3.593	74	60150	49.131	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.963	101	116913	47.676	ug/l	93
10) Methyl Iodide	4.158	142	131121	51.426	ug/l #	89
11) Tert butyl alcohol	5.057	59	29301	253.805	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	115968	47.516	ug/l	88
13) Acrolein	3.793	56	69138	244.695	ug/l	97
14) Allyl chloride	4.558	41	119088	48.079	ug/l #	80
15) Acrylonitrile	5.252	53	128517	253.528	ug/l	97
16) Acetone	4.022	43	127018	292.518	ug/l #	78
17) Carbon Disulfide	4.269	76	332779	50.400	ug/l	100
18) Methyl Acetate	4.558	43	80499	51.970	ug/l #	78
19) Methyl tert-butyl Ether	5.316	73	250490	52.438	ug/l	98
20) Methylene Chloride	4.799	84	153295	43.211	ug/l #	79
21) trans-1,2-Dichloroethene	5.310	96	134680	47.881	ug/l #	80
22) Diisopropyl ether	6.210	45	302320	52.584	ug/l #	91
23) Vinyl Acetate	6.152	43	600881m	265.809	ug/l	
24) 1,1-Dichloroethane	6.104	63	221738	48.904	ug/l	98
25) 2-Butanone	7.081	43	150142	274.997	ug/l #	78
26) 2,2-Dichloropropane	7.075	77	181655	49.133	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	157449	50.442	ug/l	83
28) Bromochloromethane	7.422	49	73079	48.337	ug/l #	66
29) Tetrahydrofuran	7.446	42	86265	271.079	ug/l #	66
30) Chloroform	7.593	83	237373	48.955	ug/l	95
31) Cyclohexane	7.875	56	158302	47.361	ug/l #	83
32) 1,1,1-Trichloroethane	7.793	97	185588	48.028	ug/l	97
36) 1,1-Dichloropropene	8.004	75	167238	47.177	ug/l	95
37) Ethyl Acetate	7.169	43	64015	52.150	ug/l #	83
38) Carbon Tetrachloride	7.987	117	148632	46.419	ug/l	96
39) Methylcyclohexane	9.275	83	192338	47.127	ug/l	95
40) Benzene	8.251	78	539620	47.348	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	28983	43.060	ug/l #	64
42) 1,2-Dichloroethane	8.322	62	127387	47.256	ug/l	93
43) Isopropyl Acetate	8.357	43	109025	47.546	ug/l #	82
44) Trichloroethene	9.028	130	141970	44.201	ug/l	94
45) 1,2-Dichloropropane	9.304	63	132086	46.986	ug/l	95
46) Dibromomethane	9.393	93	75778	48.091	ug/l	96
47) Bromodichloromethane	9.581	83	176898	46.711	ug/l	96
48) Methyl methacrylate	9.381	41	51984	51.222	ug/l #	64
49) 1,4-Dioxane	9.381	88	16947	1005.745	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	312712	256.415	ug/l #	82
52) Toluene	10.334	92	345222	48.499	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	166201	48.694	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	205574	49.353	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	110706	48.993	ug/l	92
56) Ethyl methacrylate	10.598	69	119018	52.402	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	170354	48.053	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	269844	247.618	ug/l	92
59) 2-Hexanone	10.922	43	239496	278.463	ug/l	76
60) Dibromochloromethane	11.075	129	123577	48.638	ug/l	99
61) 1,2-Dibromoethane	11.181	107	100098	49.798	ug/l	99
64) Tetrachloroethene	10.810	164	116249	42.434	ug/l	93
65) Chlorobenzene	11.604	112	377273	46.516	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	128802	46.147	ug/l	94
67) Ethyl Benzene	11.687	91	623933	48.143	ug/l	94
68) m/p-Xylenes	11.792	106	525313	99.176	ug/l	90
69) o-Xylene	12.122	106	241970	50.065	ug/l	90
70) Styrene	12.134	104	422647	50.438	ug/l	93
71) Bromoform	12.298	173	71160	45.325	ug/l #	97
73) Isopropylbenzene	12.422	105	595208	48.232	ug/l	99
74) N-amyl acetate	12.234	43	104480	47.532	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.675	83	124597	46.977	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	80981m	49.606	ug/l	
77) Bromobenzene	12.704	156	146734	44.362	ug/l	93
78) n-propylbenzene	12.763	91	737356	48.003	ug/l	97
79) 2-Chlorotoluene	12.851	91	403552	47.469	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	503651	49.232	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	37345	47.991	ug/l #	73
82) 4-Chlorotoluene	12.945	91	423091	46.789	ug/l	92
83) tert-Butylbenzene	13.169	119	413761	47.857	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	505050	49.572	ug/l	94
85) sec-Butylbenzene	13.345	105	657027	48.762	ug/l	98
86) p-Isopropyltoluene	13.463	119	544498	49.387	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	311546	46.586	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	309561	46.748	ug/l	97
89) n-Butylbenzene	13.792	91	502017	48.318	ug/l	99
90) Hexachloroethane	14.057	117	102050	44.999	ug/l	96
91) 1,2-Dichlorobenzene	13.833	146	274513	46.775	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	15803	45.888	ug/l	81
93) 1,2,4-Trichlorobenzene	15.104	180	152470	44.663	ug/l	96
94) Hexachlorobutadiene	15.204	225	71973	41.350	ug/l	97
95) Naphthalene	15.333	128	307454	48.471	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	134247	43.240	ug/l	99

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

