

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076185.D
 Acq On : 22 May 2023 19:52
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/23/2023
 Supervised By :Mahesh Dadoda 05/23/2023

Quant Time: May 23 01:26:22 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	186607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	323457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	305122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	161940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	88762	49.216	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.440%		
35) Dibromofluoromethane	7.805	113	100932	45.144	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.280%		
50) Toluene-d8	10.269	98	392397	45.022	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.040%		
62) 4-Bromofluorobenzene	12.575	95	112822	46.600	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	68330	40.601	ug/l	94
3) Chloromethane	2.146	50	146942	53.471	ug/l	99
4) Vinyl Chloride	2.275	62	181116	49.899	ug/l	99
5) Bromomethane	2.681	94	110402	45.179	ug/l	95
6) Chloroethane	2.828	64	121784	49.873	ug/l	96
7) Trichlorofluoromethane	3.170	101	132396	43.035	ug/l	97
8) Diethyl Ether	3.587	74	48844	48.278	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.964	101	89422	44.127	ug/l	93
10) Methyl Iodide	4.158	142	107848	51.185	ug/l	91
11) Tert butyl alcohol	5.064	59	24797	259.920	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	86121	42.701	ug/l	91
13) Acrolein	3.799	56	44771	191.747	ug/l	100
14) Allyl chloride	4.558	41	95120	46.471	ug/l #	80
15) Acrylonitrile	5.258	53	108552	259.135	ug/l	98
16) Acetone	4.017	43	75582	210.634	ug/l #	75
17) Carbon Disulfide	4.264	76	247683	45.099	ug/l	96
18) Methyl Acetate	4.564	43	65459	51.139	ug/l #	79
19) Methyl tert-butyl Ether	5.311	73	202019	51.176	ug/l	100
20) Methylene Chloride	4.793	84	169708	62.762	ug/l #	78
21) trans-1,2-Dichloroethene	5.305	96	106993	46.030	ug/l #	75
22) Diisopropyl ether	6.216	45	250218	52.666	ug/l #	90
23) Vinyl Acetate	6.158	43	485508m	259.896	ug/l	
24) 1,1-Dichloroethane	6.111	63	183806	49.055	ug/l	98
25) 2-Butanone	7.087	43	113734	252.080	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	140540	45.999	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	126189	48.921	ug/l	84
28) Bromochloromethane	7.428	49	61102	48.906	ug/l #	67
29) Tetrahydrofuran	7.440	42	70265	267.192	ug/l #	68
30) Chloroform	7.593	83	196252	48.978	ug/l	99
31) Cyclohexane	7.881	56	120232	43.529	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	147679	46.247	ug/l	96
36) 1,1-Dichloropropene	8.005	75	133549	44.228	ug/l	97
37) Ethyl Acetate	7.169	43	51843	49.581	ug/l #	82
38) Carbon Tetrachloride	7.987	117	115849	42.475	ug/l	97
39) Methylcyclohexane	9.275	83	144451	41.551	ug/l	93
40) Benzene	8.252	78	441582	45.487	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	23394	40.804	ug/l #	62
42) 1,2-Dichloroethane	8.322	62	108380	47.200	ug/l	92
43) Isopropyl Acetate	8.363	43	90778	46.476	ug/l #	82
44) Trichloroethene	9.028	130	113682	41.552	ug/l	93
45) 1,2-Dichloropropane	9.304	63	110882	46.306	ug/l	96
46) Dibromomethane	9.393	93	60972	45.426	ug/l	94
47) Bromodichloromethane	9.581	83	147571	45.747	ug/l	94
48) Methyl methacrylate	9.381	41	39749	45.981	ug/l #	59
49) 1,4-Dioxane	9.387	88	14163	986.757	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	253916	244.426	ug/l #	82
52) Toluene	10.334	92	281303	46.395	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	136159	46.833	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	167560	47.225	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	90390	46.961	ug/l	96
56) Ethyl methacrylate	10.599	69	94761	48.981	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	143986	47.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	232457	250.421	ug/l	94
59) 2-Hexanone	10.922	43	171868	234.598	ug/l	76
60) Dibromochloromethane	11.075	129	101534	46.915	ug/l	99
61) 1,2-Dibromoethane	11.181	107	80588	47.067	ug/l	96
64) Tetrachloroethene	10.810	164	89976	38.348	ug/l	94
65) Chlorobenzene	11.610	112	306118	44.069	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	105543	44.151	ug/l	95
67) Ethyl Benzene	11.687	91	510302	45.975	ug/l	96
68) m/p-Xylenes	11.793	106	423603	93.378	ug/l	90
69) o-Xylene	12.122	106	194343	46.950	ug/l	92
70) Styrene	12.134	104	348815	48.604	ug/l	94
71) Bromoform	12.298	173	59556	44.292	ug/l #	98
73) Isopropylbenzene	12.422	105	481998	44.994	ug/l	98
74) N-amyl acetate	12.234	43	85015	44.554	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	105625	45.876	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	68645m	48.440	ug/l	
77) Bromobenzene	12.704	156	121272	42.236	ug/l	94
78) n-propylbenzene	12.763	91	610102	45.755	ug/l	98
79) 2-Chlorotoluene	12.851	91	327903	44.433	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	400153	45.059	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	29706	43.976	ug/l #	73
82) 4-Chlorotoluene	12.945	91	351593	44.791	ug/l	94
83) tert-Butylbenzene	13.169	119	335992	44.768	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	407653	46.093	ug/l	95
85) sec-Butylbenzene	13.345	105	523963	44.796	ug/l	99
86) p-Isopropyltoluene	13.463	119	438719	45.840	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	258322	44.497	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	250397	43.560	ug/l	97
89) n-Butylbenzene	13.787	91	397802	44.106	ug/l	98
90) Hexachloroethane	14.057	117	83236	42.281	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	224999	44.164	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13368	44.717	ug/l	84
93) 1,2,4-Trichlorobenzene	15.098	180	116794	39.412	ug/l	96
94) Hexachlorobutadiene	15.204	225	53382	35.330	ug/l	97
95) Naphthalene	15.334	128	239455	43.488	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	105292	39.068	ug/l	98

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

