

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110323\
 Data File : VD077494.D
 Acq On : 03 Nov 2023 09:15
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 04 05:11:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	251607	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	450329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	401364	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	178081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	168055	47.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.480%		
35) Dibromofluoromethane	7.805	113	144370	46.384	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.760%		
50) Toluene-d8	10.269	98	583753	48.285	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.580%		
62) 4-Bromofluorobenzene	12.575	95	184805	45.385	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.780%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	90841	44.776	ug/l	98
3) Chloromethane	2.152	50	174396	54.144	ug/l	96
4) Vinyl Chloride	2.293	62	190507	60.653	ug/l	99
5) Bromomethane	2.699	94	112378	68.279	ug/l	98
6) Chloroethane	2.846	64	131932	62.389	ug/l	99
7) Trichlorofluoromethane	3.187	101	213545	48.549	ug/l	98
8) Diethyl Ether	3.593	74	76346	48.286	ug/l #	49
9) 1,1,2-Trichlorotrifluo...	3.981	101	124802	47.000	ug/l	95
10) Methyl Iodide	4.169	142	145758	43.876	ug/l #	89
11) Tert butyl alcohol	5.046	59	57930	205.550	ug/l	100
12) 1,1-Dichloroethene	3.946	96	121777	48.442	ug/l #	66
13) Acrolein	3.799	56	73285	197.189	ug/l	99
14) Allyl chloride	4.569	41	290853	47.960	ug/l #	83
15) Acrylonitrile	5.258	53	204761	239.568	ug/l	96
16) Acetone	4.022	43	263634	280.030	ug/l #	78
17) Carbon Disulfide	4.281	76	368085	47.659	ug/l	98
18) Methyl Acetate	4.564	43	173246	50.449	ug/l #	77
19) Methyl tert-butyl Ether	5.316	73	372731	47.236	ug/l	93
20) Methylene Chloride	4.805	84	157756	44.298	ug/l #	66
21) trans-1,2-Dichloroethene	5.316	96	144902	49.493	ug/l #	74
22) Diisopropyl ether	6.216	45	615956	47.789	ug/l #	89
23) Vinyl Acetate	6.158	43	1296608m	233.177	ug/l	
24) 1,1-Dichloroethane	6.116	63	321079	48.008	ug/l	93
25) 2-Butanone	7.081	43	305917	243.614	ug/l #	73
26) 2,2-Dichloropropane	7.081	77	272664	46.004	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	172880	47.663	ug/l	69
28) Bromochloromethane	7.428	49	140222	46.405	ug/l #	55
29) Tetrahydrofuran	7.446	42	176742	237.311	ug/l #	70
30) Chloroform	7.599	83	295642	47.344	ug/l	98
31) Cyclohexane	7.881	56	271364	48.791	ug/l #	74
32) 1,1,1-Trichloroethane	7.799	97	248413	48.282	ug/l	96
36) 1,1-Dichloropropene	8.010	75	226759	49.138	ug/l	92
37) Ethyl Acetate	7.169	43	123735	46.721	ug/l #	87
38) Carbon Tetrachloride	7.999	117	210196	48.336	ug/l	95
39) Methylcyclohexane	9.275	83	262198	49.796	ug/l #	83
40) Benzene	8.252	78	643715	48.918	ug/l	99

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41) Methacrylonitrile	7.399	41	73875	43.595	ug/l #	73
42) 1,2-Dichloroethane	8.328	62	194957	46.776	ug/l	90
43) Isopropyl Acetate	8.357	43	250626	45.858	ug/l #	81
44) Trichloroethene	9.028	130	150477	46.683	ug/l	85
45) 1,2-Dichloropropane	9.305	63	187492	48.396	ug/l	99
46) Dibromomethane	9.393	93	84546	45.348	ug/l	88
47) Bromodichloromethane	9.587	83	225281	45.716	ug/l	99
48) Methyl methacrylate	9.381	41	120547	46.208	ug/l #	65
49) 1,4-Dioxane	9.387	88	16991	848.128	ug/l #	60
51) 4-Methyl-2-Pentanone	10.157	43	624737	232.238	ug/l #	81
52) Toluene	10.334	92	384661	47.950	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	241405	46.263	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	282168	46.991	ug/l #	78
55) 1,1,2-Trichloroethane	10.734	97	112844	45.366	ug/l	92
56) Ethyl methacrylate	10.599	69	171952	46.494	ug/l #	64
57) 1,3-Dichloropropane	10.881	76	218836	47.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	437195	236.129	ug/l #	84
59) 2-Hexanone	10.922	43	476260	240.331	ug/l	79
60) Dibromochloromethane	11.075	129	135689	45.365	ug/l	97
61) 1,2-Dibromoethane	11.181	107	105587	44.824	ug/l	100
64) Tetrachloroethene	10.810	164	114854	44.947	ug/l #	84
65) Chlorobenzene	11.610	112	389912	46.371	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	141608	44.565	ug/l	98
67) Ethyl Benzene	11.687	91	770352	47.615	ug/l	93
68) m/p-Xylenes	11.799	106	549976	94.136	ug/l	79
69) o-Xylene	12.122	106	263779	47.136	ug/l	82
70) Styrene	12.134	104	451614	46.780	ug/l #	91
71) Bromoform	12.298	173	75268	42.727	ug/l #	98
73) Isopropylbenzene	12.422	105	701317	48.303	ug/l	94
74) N-amyl acetate	12.234	43	229139	44.556	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	134121	47.125	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	103746m	47.866	ug/l	
77) Bromobenzene	12.704	156	147261	46.079	ug/l	71
78) n-propylbenzene	12.763	91	882895	47.891	ug/l	93
79) 2-Chlorotoluene	12.851	91	483726	46.342	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	576209	47.297	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	52864	47.113	ug/l	87
82) 4-Chlorotoluene	12.951	91	499464	45.937	ug/l	89
83) tert-Butylbenzene	13.169	119	486686	47.515	ug/l	89
84) 1,2,4-Trimethylbenzene	13.216	105	579837	47.913	ug/l	92
85) sec-Butylbenzene	13.345	105	760570	48.530	ug/l	93
86) p-Isopropyltoluene	13.463	119	614300	48.223	ug/l	93
87) 1,3-Dichlorobenzene	13.463	146	295074	46.972	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	291572	46.455	ug/l	96
89) n-Butylbenzene	13.787	91	632197	47.748	ug/l	97
90) Hexachloroethane	14.057	117	119771	45.946	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	256799	46.515	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	20741	43.259	ug/l	84
93) 1,2,4-Trichlorobenzene	15.104	180	171536	45.228	ug/l	97
94) Hexachlorobutadiene	15.204	225	89437	43.718	ug/l	99
95) Naphthalene	15.334	128	330779	45.719	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	144529	44.147	ug/l	98

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

