

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110623\
 Data File : VD077504.D
 Acq On : 06 Nov 2023 09:46
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2023
 Supervised By : Mahesh Dadoda 11/07/2023

Quant Time: Nov 07 02:06:58 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	261687	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	460934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	405598	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	186220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	172025	46.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.980%		
35) Dibromofluoromethane	7.804	113	156042	48.980	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.960%		
50) Toluene-d8	10.269	98	632631	51.124	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.240%		
62) 4-Bromofluorobenzene	12.575	95	198889	47.720	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	94994	45.020	ug/l	96
3) Chloromethane	2.152	50	182380	54.442	ug/l	97
4) Vinyl Chloride	2.287	62	202227	61.905	ug/l	98
5) Bromomethane	2.699	94	115377	67.401	ug/l	99
6) Chloroethane	2.846	64	139231	63.304	ug/l	97
7) Trichlorofluoromethane	3.181	101	225571	49.308	ug/l	97
8) Diethyl Ether	3.593	74	76649	46.611	ug/l #	54
9) 1,1,2-Trichlorotrifluo...	3.969	101	135052	48.901	ug/l	95
10) Methyl Iodide	4.169	142	154949	44.776	ug/l #	91
11) Tert butyl alcohol	5.052	59	55976	190.966	ug/l #	91
12) 1,1-Dichloroethene	3.946	96	132163	50.548	ug/l #	66
13) Acrolein	3.799	56	67863	175.566	ug/l	96
14) Allyl chloride	4.569	41	301037	47.727	ug/l #	83
15) Acrylonitrile	5.257	53	201927	227.152	ug/l	96
16) Acetone	4.016	43	274113	279.946	ug/l #	78
17) Carbon Disulfide	4.281	76	384727	47.876	ug/l	97
18) Methyl Acetate	4.563	43	169456	47.445	ug/l #	75
19) Methyl tert-butyl Ether	5.322	73	374833	45.672	ug/l	93
20) Methylene Chloride	4.805	84	164752	44.491	ug/l #	66
21) trans-1,2-Dichloroethene	5.316	96	152770	50.170	ug/l #	70
22) Diisopropyl ether	6.216	45	628758	46.903	ug/l #	88
23) Vinyl Acetate	6.157	43	1283496m	221.928	ug/l	
24) 1,1-Dichloroethane	6.116	63	330607	47.529	ug/l	96
25) 2-Butanone	7.081	43	301034	230.491	ug/l #	72
26) 2,2-Dichloropropane	7.081	77	285953	46.388	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	182169	48.289	ug/l	73
28) Bromochloromethane	7.428	49	132949	42.489	ug/l #	56
29) Tetrahydrofuran	7.446	42	169082	218.281	ug/l #	72
30) Chloroform	7.598	83	307238	47.306	ug/l	96
31) Cyclohexane	7.875	56	286496	49.527	ug/l #	74
32) 1,1,1-Trichloroethane	7.798	97	260366	48.656	ug/l	94
36) 1,1-Dichloropropene	8.010	75	239664	50.739	ug/l	92
37) Ethyl Acetate	7.163	43	122114	45.048	ug/l #	90
38) Carbon Tetrachloride	7.993	117	221801	49.831	ug/l	96
39) Methylcyclohexane	9.275	83	277247	51.443	ug/l #	85
40) Benzene	8.251	78	678884	50.403	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	78693	45.370	ug/l #	70
42) 1,2-Dichloroethane	8.328	62	192990	45.239	ug/l	89
43) Isopropyl Acetate	8.357	43	240613	43.013	ug/l #	82
44) Trichloroethene	9.028	130	159796	48.434	ug/l	86
45) 1,2-Dichloropropane	9.304	63	193225	48.728	ug/l	98
46) Dibromomethane	9.393	93	85671	44.894	ug/l	90
47) Bromodichloromethane	9.587	83	231535	45.904	ug/l	98
48) Methyl methacrylate	9.381	41	116767	43.729	ug/l #	66
49) 1,4-Dioxane	9.381	88	17948	875.285	ug/l #	68
51) 4-Methyl-2-Pentanone	10.157	43	606401	220.236	ug/l #	81
52) Toluene	10.334	92	406694	49.530	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	245653	45.994	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	288551	46.948	ug/l #	79
55) 1,1,2-Trichloroethane	10.734	97	116210	45.644	ug/l	93
56) Ethyl methacrylate	10.598	69	170228	44.969	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	222168	46.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	464928	245.330	ug/l #	85
59) 2-Hexanone	10.922	43	467378	230.422	ug/l	79
60) Dibromochloromethane	11.075	129	138070	45.099	ug/l	93
61) 1,2-Dibromoethane	11.181	107	107173	44.451	ug/l	100
64) Tetrachloroethene	10.810	164	123208	47.713	ug/l	92
65) Chlorobenzene	11.610	112	412721	48.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	151646	47.226	ug/l	96
67) Ethyl Benzene	11.687	91	816876	49.963	ug/l	94
68) m/p-Xylenes	11.792	106	588362	99.655	ug/l	81
69) o-Xylene	12.122	106	283805	50.185	ug/l	82
70) Styrene	12.134	104	477168	48.911	ug/l #	90
71) Bromoform	12.298	173	78948	44.348	ug/l #	98
73) Isopropylbenzene	12.422	105	758116	49.933	ug/l	95
74) N-amyl acetate	12.234	43	230058	42.779	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	134580	45.220	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	103568m	45.696	ug/l	
77) Bromobenzene	12.704	156	159742	47.800	ug/l	75
78) n-propylbenzene	12.763	91	962082	49.906	ug/l	93
79) 2-Chlorotoluene	12.851	91	513966	47.087	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	619439	48.623	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	53310	45.434	ug/l	89
82) 4-Chlorotoluene	12.951	91	529983	46.613	ug/l	90
83) tert-Butylbenzene	13.169	119	530005	49.483	ug/l	90
84) 1,2,4-Trimethylbenzene	13.216	105	625386	49.418	ug/l	92
85) sec-Butylbenzene	13.345	105	818655	49.954	ug/l	94
86) p-Isopropyltoluene	13.463	119	670656	50.346	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	323103	49.185	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	311572	47.472	ug/l	96
89) n-Butylbenzene	13.786	91	687927	49.687	ug/l	97
90) Hexachloroethane	14.057	117	131159	48.116	ug/l	94
91) 1,2-Dichlorobenzene	13.833	146	274417	47.534	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	21807	43.494	ug/l	78
93) 1,2,4-Trichlorobenzene	15.098	180	184017	46.399	ug/l	99
94) Hexachlorobutadiene	15.204	225	104002	48.615	ug/l	99
95) Naphthalene	15.333	128	347270	45.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	156764	45.792	ug/l	98

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

