

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110323\
 Data File : VD077502.D
 Acq On : 03 Nov 2023 18:38
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 04 05:16:55 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	219875	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	406828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	364331	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	172955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	147746	47.520	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.040%		
35) Dibromofluoromethane	7.810	113	126538	45.002	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.000%		
50) Toluene-d8	10.269	98	512991	46.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.940%		
62) 4-Bromofluorobenzene	12.575	95	166245	45.193	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	72496	40.891	ug/l	99
3) Chloromethane	2.152	50	151170	53.706	ug/l	98
4) Vinyl Chloride	2.287	62	164440	59.910	ug/l	98
5) Bromomethane	2.693	94	95096	66.117	ug/l	98
6) Chloroethane	2.840	64	114582	62.004	ug/l	98
7) Trichlorofluoromethane	3.175	101	176822	46.002	ug/l	96
8) Diethyl Ether	3.593	74	67818	49.083	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	3.969	101	102617	44.222	ug/l	95
10) Methyl Iodide	4.169	142	129649	44.603	ug/l #	90
11) Tert butyl alcohol	5.052	59	49822	202.294	ug/l	97
12) 1,1-Dichloroethene	3.946	96	105533	48.039	ug/l #	69
13) Acrolein	3.799	56	65508	201.701	ug/l	97
14) Allyl chloride	4.564	41	246351	46.484	ug/l #	84
15) Acrylonitrile	5.258	53	186924	250.262	ug/l	99
16) Acetone	4.022	43	180723	219.666	ug/l #	78
17) Carbon Disulfide	4.269	76	304875	45.368	ug/l	99
18) Methyl Acetate	4.564	43	157282	52.410	ug/l #	76
19) Methyl tert-butyl Ether	5.316	73	328487	47.636	ug/l #	89
20) Methylene Chloride	4.805	84	145805	46.997	ug/l #	61
21) trans-1,2-Dichloroethene	5.316	96	124841	48.795	ug/l #	75
22) Diisopropyl ether	6.216	45	530847	47.129	ug/l #	87
23) Vinyl Acetate	6.158	43	1147481m	236.140	ug/l	
24) 1,1-Dichloroethane	6.111	63	276683	47.341	ug/l	93
25) 2-Butanone	7.081	43	250123	227.928	ug/l #	77
26) 2,2-Dichloropropane	7.081	77	221221	42.711	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	152244	48.031	ug/l	72
28) Bromochloromethane	7.428	49	130950	49.446	ug/l #	55
29) Tetrahydrofuran	7.446	42	158325	243.263	ug/l #	70
30) Chloroform	7.599	83	260969	47.823	ug/l	96
31) Cyclohexane	7.881	56	221142	45.499	ug/l #	72
32) 1,1,1-Trichloroethane	7.793	97	204367	45.454	ug/l	96
36) 1,1-Dichloropropene	8.010	75	187526	44.981	ug/l	92
37) Ethyl Acetate	7.169	43	109292	45.680	ug/l #	89
38) Carbon Tetrachloride	7.993	117	172433	43.892	ug/l	96
39) Methylcyclohexane	9.275	83	216383	45.489	ug/l #	82
40) Benzene	8.252	78	559282	47.046	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	65728	42.935	ug/l #	78
42) 1,2-Dichloroethane	8.328	62	171099	45.442	ug/l	91
43) Isopropyl Acetate	8.363	43	224746	45.520	ug/l #	80
44) Trichloroethene	9.028	130	126211	43.342	ug/l	83
45) 1,2-Dichloropropane	9.304	63	161426	46.123	ug/l	96
46) Dibromomethane	9.399	93	75055	44.562	ug/l	90
47) Bromodichloromethane	9.587	83	201923	45.357	ug/l	97
48) Methyl methacrylate	9.381	41	104774	44.456	ug/l #	66
49) 1,4-Dioxane	9.387	88	16772	926.715	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	553053	227.574	ug/l #	83
52) Toluene	10.334	92	344128	47.484	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	210678	44.692	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	244648	45.099	ug/l #	79
55) 1,1,2-Trichloroethane	10.734	97	101049	44.968	ug/l	93
56) Ethyl methacrylate	10.599	69	151226	45.262	ug/l #	65
57) 1,3-Dichloropropane	10.881	76	196647	46.819	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	426883	255.212	ug/l #	84
59) 2-Hexanone	10.922	43	395660	221.007	ug/l	78
60) Dibromochloromethane	11.075	129	120653	44.652	ug/l	96
61) 1,2-Dibromoethane	11.181	107	96476	45.336	ug/l	96
64) Tetrachloroethene	10.810	164	102691	44.272	ug/l	92
65) Chlorobenzene	11.610	112	345294	45.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	129005	44.726	ug/l	97
67) Ethyl Benzene	11.687	91	670177	45.633	ug/l	93
68) m/p-Xylenes	11.793	106	483853	91.236	ug/l	81
69) o-Xylene	12.122	106	235746	46.409	ug/l	83
70) Styrene	12.134	104	405075	46.224	ug/l #	92
71) Bromoform	12.298	173	69464	43.440	ug/l #	100
73) Isopropylbenzene	12.422	105	607776	43.101	ug/l	94
74) N-amyl acetate	12.234	43	208711	41.786	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	122813	44.431	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	91194m	43.322	ug/l	
77) Bromobenzene	12.704	156	132317	42.630	ug/l	70
78) n-propylbenzene	12.763	91	772337	43.136	ug/l	92
79) 2-Chlorotoluene	12.851	91	432420	42.654	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	505165	42.694	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	45879	42.100	ug/l #	85
82) 4-Chlorotoluene	12.945	91	451442	42.751	ug/l	88
83) tert-Butylbenzene	13.169	119	426500	42.873	ug/l	90
84) 1,2,4-Trimethylbenzene	13.210	105	510279	43.415	ug/l	92
85) sec-Butylbenzene	13.345	105	652964	42.899	ug/l	94
86) p-Isopropyltoluene	13.463	119	536126	43.334	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	268643	44.032	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	262599	43.079	ug/l	96
89) n-Butylbenzene	13.787	91	546978	42.536	ug/l	97
90) Hexachloroethane	14.057	117	106140	41.924	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	233223	43.497	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	19623	42.140	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	154197	41.862	ug/l	97
94) Hexachlorobutadiene	15.204	225	79809	40.168	ug/l	99
95) Naphthalene	15.334	128	309362	44.026	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	132835	41.778	ug/l	98

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

