

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077470.D
 Acq On : 31 Oct 2023 19:53
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 01 06:11:42 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 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	239418	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	433575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	394142	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	177041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	178292	52.664	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.320%			
35) Dibromofluoromethane	7.805	113	153959	51.376	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.760%			
50) Toluene-d8	10.269	98	608335	52.263	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.520%			
62) 4-Bromofluorobenzene	12.575	95	199110	50.788	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	91298	47.292	ug/l	95
3) Chloromethane	2.152	50	180070	58.752	ug/l	98
4) Vinyl Chloride	2.287	62	182993	61.227	ug/l	99
5) Bromomethane	2.693	94	105907	67.623	ug/l	97
6) Chloroethane	2.840	64	124970	62.105	ug/l	98
7) Trichlorofluoromethane	3.181	101	213856	51.095	ug/l	99
8) Diethyl Ether	3.593	74	82277	54.687	ug/l	# 49
9) 1,1,2-Trichlorotrifluo...	3.969	101	127333	50.394	ug/l	94
10) Methyl Iodide	4.164	142	162242	50.790	ug/l	91
11) Tert butyl alcohol	5.058	59	59235	220.881	ug/l	97
12) 1,1-Dichloroethene	3.946	96	124684	52.123	ug/l	# 67
13) Acrolein	3.799	56	80573	227.836	ug/l	97
14) Allyl chloride	4.564	41	312928	54.227	ug/l	# 82
15) Acrylonitrile	5.252	53	217972	268.009	ug/l	98
16) Acetone	4.022	43	175264	195.642	ug/l	# 76
17) Carbon Disulfide	4.275	76	380442	51.443	ug/l	99
18) Methyl Acetate	4.564	43	182269	55.779	ug/l	# 76
19) Methyl tert-butyl Ether	5.322	73	391179	52.097	ug/l	92
20) Methylene Chloride	4.805	84	177226	52.757	ug/l	# 64
21) trans-1,2-Dichloroethene	5.316	96	148661	53.362	ug/l	# 67
22) Diisopropyl ether	6.216	45	667063	54.388	ug/l	# 88
23) Vinyl Acetate	6.158	43	1405456m	265.620	ug/l	
24) 1,1-Dichloroethane	6.111	63	341394	53.645	ug/l	93
25) 2-Butanone	7.081	43	291766	244.174	ug/l	# 73
26) 2,2-Dichloropropane	7.081	77	274950	48.752	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	184940	53.583	ug/l	71
28) Bromochloromethane	7.428	49	159753	55.145	ug/l	# 52
29) Tetrahydrofuran	7.440	42	184304	260.064	ug/l	# 70
30) Chloroform	7.599	83	312278	52.554	ug/l	92
31) Cyclohexane	7.875	56	276918	52.324	ug/l	# 75
32) 1,1,1-Trichloroethane	7.793	97	250088	51.083	ug/l	94
36) 1,1-Dichloropropene	8.010	75	231306	52.060	ug/l	92
37) Ethyl Acetate	7.169	43	130666	51.245	ug/l	# 89
38) Carbon Tetrachloride	7.993	117	205312	49.037	ug/l	100
39) Methylcyclohexane	9.275	83	264559	52.186	ug/l	# 80
40) Benzene	8.252	78	676378	53.386	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	89934	55.122	ug/l #	68
42) 1,2-Dichloroethane	8.328	62	208405	51.935	ug/l	90
43) Isopropyl Acetate	8.357	43	267835	50.901	ug/l #	79
44) Trichloroethene	9.028	130	155843	50.216	ug/l	88
45) 1,2-Dichloropropane	9.304	63	198456	53.205	ug/l	100
46) Dibromomethane	9.393	93	90101	50.195	ug/l	89
47) Bromodichloromethane	9.587	83	238111	50.186	ug/l	98
48) Methyl methacrylate	9.381	41	130511	51.961	ug/l #	64
49) 1,4-Dioxane	9.387	88	18702	969.608	ug/l #	58
51) 4-Methyl-2-Pentanone	10.157	43	652727	252.019	ug/l #	81
52) Toluene	10.334	92	401653	52.003	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	255022	50.761	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	299438	51.794	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	121344	50.668	ug/l	94
56) Ethyl methacrylate	10.599	69	182930	51.374	ug/l #	63
57) 1,3-Dichloropropane	10.881	76	231840	51.792	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	501756	281.470	ug/l #	83
59) 2-Hexanone	10.922	43	441263	231.275	ug/l	78
60) Dibromochloromethane	11.075	129	142998	49.657	ug/l	96
61) 1,2-Dibromoethane	11.181	107	114949	50.684	ug/l	99
64) Tetrachloroethene	10.810	164	118898	47.382	ug/l	90
65) Chlorobenzene	11.610	112	408265	49.443	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	150640	48.277	ug/l	97
67) Ethyl Benzene	11.687	91	795718	50.084	ug/l	93
68) m/p-Xylenes	11.793	106	569673	99.294	ug/l	78
69) o-Xylene	12.122	106	275845	50.196	ug/l	79
70) Styrene	12.134	104	477074	50.322	ug/l #	90
71) Bromoform	12.298	173	80707	46.653	ug/l #	98
73) Isopropylbenzene	12.422	105	720817	49.938	ug/l	94
74) N-amyl acetate	12.234	43	250076	48.913	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	139403	49.269	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	105185m	48.815	ug/l	
77) Bromobenzene	12.698	156	155607	48.977	ug/l	69
78) n-propylbenzene	12.763	91	919939	50.194	ug/l	92
79) 2-Chlorotoluene	12.851	91	516777	49.799	ug/l	87
80) 1,3,5-Trimethylbenzene	12.904	105	595863	49.198	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	53060	47.566	ug/l #	85
82) 4-Chlorotoluene	12.945	91	533368	49.343	ug/l	88
83) tert-Butylbenzene	13.169	119	504216	49.516	ug/l	89
84) 1,2,4-Trimethylbenzene	13.210	105	604936	50.280	ug/l	91
85) sec-Butylbenzene	13.345	105	775005	49.742	ug/l	94
86) p-Isopropyltoluene	13.463	119	636596	50.267	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	307351	49.213	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	306075	49.053	ug/l	96
89) n-Butylbenzene	13.787	91	650872	49.448	ug/l	96
90) Hexachloroethane	14.057	117	123527	47.666	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	269270	49.061	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	22242	46.662	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	178495	47.340	ug/l	98
94) Hexachlorobutadiene	15.204	225	94626	46.526	ug/l	99
95) Naphthalene	15.334	128	352432	48.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	158984	48.848	ug/l	97

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

