

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077811.D
 Acq On : 11 Dec 2023 14:38
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/12/2023
 Supervised By :Semsettin Yesilyurt 12/12/2023

Quant Time: Dec 11 17:04:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	158963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	268632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	243853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	128371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93691	50.018	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.040%			
35) Dibromofluoromethane	7.810	113	95683	50.850	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.700%			
50) Toluene-d8	10.269	98	387142	51.370	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.575	95	115916	51.446	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	94938	47.811	ug/l	99
3) Chloromethane	2.152	50	142451	52.630	ug/l	100
4) Vinyl Chloride	2.293	62	183882	50.043	ug/l	99
5) Bromomethane	2.699	94	106687	51.744	ug/l	98
6) Chloroethane	2.846	64	124673	49.767	ug/l	98
7) Trichlorofluoromethane	3.187	101	170603	50.412	ug/l	98
8) Diethyl Ether	3.599	74	50980	53.648	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.975	101	98392	50.822	ug/l	98
10) Methyl Iodide	4.175	142	80248	47.659	ug/l #	90
11) Tert butyl alcohol	5.058	59	27871	311.764	ug/l #	83
12) 1,1-Dichloroethene	3.946	96	99204	51.918	ug/l #	81
13) Acrolein	3.805	56	35735	180.348	ug/l	94
14) Allyl chloride	4.569	41	133889	50.947	ug/l #	90
15) Acrylonitrile	5.258	53	114260	280.830	ug/l	97
16) Acetone	4.022	43	111274	278.463	ug/l	87
17) Carbon Disulfide	4.281	76	317008	49.038	ug/l	98
18) Methyl Acetate	4.569	43	83611	56.677	ug/l #	87
19) Methyl tert-butyl Ether	5.316	73	224685	55.423	ug/l	98
20) Methylene Chloride	4.811	84	114511	51.794	ug/l #	87
21) trans-1,2-Dichloroethene	5.322	96	111293	51.423	ug/l	90
22) Diisopropyl ether	6.216	45	288933	52.612	ug/l	92
23) Vinyl Acetate	6.158	43	610039	227.469	ug/l #	92
24) 1,1-Dichloroethane	6.122	63	189882	51.057	ug/l	98
25) 2-Butanone	7.081	43	138338	269.863	ug/l #	84
26) 2,2-Dichloropropane	7.081	77	162862	52.157	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	122764	52.715	ug/l	91
28) Bromochloromethane	7.434	49	76815	51.115	ug/l #	78
29) Tetrahydrofuran	7.446	42	84314	282.666	ug/l #	86
30) Chloroform	7.599	83	190502	51.181	ug/l	96
31) Cyclohexane	7.881	56	162305	48.715	ug/l	86
32) 1,1,1-Trichloroethane	7.799	97	165814	50.534	ug/l	99
36) 1,1-Dichloropropene	8.010	75	150530	50.013	ug/l	96
37) Ethyl Acetate	7.169	43	57231	48.765	ug/l	95
38) Carbon Tetrachloride	7.993	117	152677	50.882	ug/l	99
39) Methylcyclohexane	9.275	83	184912	51.823	ug/l	90
40) Benzene	8.252	78	430977	50.450	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	32201	53.983	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	115536	52.176	ug/l	95
43) Isopropyl Acetate	8.363	43	113465	54.388	ug/l #	91
44) Trichloroethene	9.034	130	115616	51.935	ug/l	92
45) 1,2-Dichloropropane	9.310	63	106831	51.443	ug/l	99
46) Dibromomethane	9.393	93	59053	53.743	ug/l	94
47) Bromodichloromethane	9.587	83	142388	51.125	ug/l	95
48) Methyl methacrylate	9.381	41	66465	56.045	ug/l #	76
49) 1,4-Dioxane	9.387	88	12474	1143.282	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	299794	281.568	ug/l	90
52) Toluene	10.334	92	276353	52.152	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	141259	52.817	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	169128	52.304	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	77290	51.424	ug/l	93
56) Ethyl methacrylate	10.598	69	72115	54.430	ug/l #	83
57) 1,3-Dichloropropane	10.881	76	138644	53.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	208929	276.518	ug/l	96
59) 2-Hexanone	10.922	43	221393	250.629	ug/l	88
60) Dibromochloromethane	11.075	129	98623	54.501	ug/l	97
61) 1,2-Dibromoethane	11.181	107	75105	53.085	ug/l	100
64) Tetrachloroethene	10.810	164	93300	52.056	ug/l	95
65) Chlorobenzene	11.610	112	289505	50.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	101114	49.864	ug/l	98
67) Ethyl Benzene	11.687	91	531059	52.309	ug/l	98
68) m/p-Xylenes	11.798	106	407985	105.061	ug/l	90
69) o-Xylene	12.122	106	189879	53.055	ug/l	93
70) Styrene	12.140	104	282456	53.076	ug/l	94
71) Bromoform	12.304	173	58274	54.999	ug/l #	100
73) Isopropylbenzene	12.422	105	505691	51.976	ug/l	96
74) N-amyl acetate	12.234	43	104050	54.405	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.675	83	91913	54.180	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	57170m	51.278	ug/l	
77) Bromobenzene	12.704	156	120079	52.471	ug/l	92
78) n-propylbenzene	12.763	91	622003	52.465	ug/l	97
79) 2-Chlorotoluene	12.851	91	328633	51.724	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	427768	52.715	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	30420	55.281	ug/l	96
82) 4-Chlorotoluene	12.951	91	344810	51.913	ug/l	96
83) tert-Butylbenzene	13.169	119	365845	53.403	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	426419	52.539	ug/l	97
85) sec-Butylbenzene	13.345	105	537267	53.056	ug/l	98
86) p-Isopropyltoluene	13.463	119	492737	54.348	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	243648	52.063	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	236953	50.751	ug/l	97
89) n-Butylbenzene	13.787	91	470144	55.110	ug/l	98
90) Hexachloroethane	14.057	117	87236	52.320	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	209450	52.624	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	13972	56.993	ug/l	97
93) 1,2,4-Trichlorobenzene	15.104	180	141973	52.221	ug/l	98
94) Hexachlorobutadiene	15.204	225	80730	55.067	ug/l	98
95) Naphthalene	15.334	128	266911	59.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	124455	55.528	ug/l	99

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

