

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077830.D
 Acq On : 11 Dec 2023 23:45
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 00:55:03 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	134470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	233950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	220629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	116368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83357	52.607	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.220%			
35) Dibromofluoromethane	7.810	113	82655	50.438	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.880%			
50) Toluene-d8	10.269	98	340137	51.823	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.575	95	100816	51.377	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	71675	42.670	ug/l	94
3) Chloromethane	2.152	50	120839	52.777	ug/l	100
4) Vinyl Chloride	2.287	62	157604	50.704	ug/l	99
5) Bromomethane	2.699	94	105241	60.340	ug/l	98
6) Chloroethane	2.840	64	112868	53.262	ug/l	93
7) Trichlorofluoromethane	3.187	101	136581	47.710	ug/l	98
8) Diethyl Ether	3.593	74	44452	55.299	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.975	101	74875	45.719	ug/l	95
10) Methyl Iodide	4.169	142	92551	62.527	ug/l #	89
11) Tert butyl alcohol	5.052	59	19935	261.786	ug/l #	86
12) 1,1-Dichloroethene	3.946	96	81841	50.632	ug/l #	83
13) Acrolein	3.799	56	37295	222.504	ug/l	99
14) Allyl chloride	4.569	41	112179	50.461	ug/l	89
15) Acrylonitrile	5.258	53	93955	272.986	ug/l	97
16) Acetone	4.022	43	79356	229.093	ug/l	92
17) Carbon Disulfide	4.281	76	275012	50.290	ug/l	99
18) Methyl Acetate	4.569	43	71246	57.092	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	191337	55.793	ug/l	100
20) Methylene Chloride	4.805	84	108438	58.622	ug/l #	86
21) trans-1,2-Dichloroethene	5.316	96	99884	54.557	ug/l	92
22) Diisopropyl ether	6.216	45	261038	56.190	ug/l	91
23) Vinyl Acetate	6.163	43	619080	272.887	ug/l #	90
24) 1,1-Dichloroethane	6.122	63	174167	55.361	ug/l	97
25) 2-Butanone	7.081	43	111736	256.950	ug/l	91
26) 2,2-Dichloropropane	7.081	77	138257	52.342	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	112458	57.085	ug/l	91
28) Bromochloromethane	7.428	49	72794	57.262	ug/l #	76
29) Tetrahydrofuran	7.440	42	68678	272.183	ug/l	88
30) Chloroform	7.604	83	174862	55.536	ug/l	96
31) Cyclohexane	7.881	56	130188	46.192	ug/l	90
32) 1,1,1-Trichloroethane	7.799	97	148039	53.334	ug/l	98
36) 1,1-Dichloropropene	8.016	75	130379	49.739	ug/l	96
37) Ethyl Acetate	7.169	43	49560	48.489	ug/l #	94
38) Carbon Tetrachloride	7.999	117	129613	49.599	ug/l	97
39) Methylcyclohexane	9.275	83	149819	48.212	ug/l	96
40) Benzene	8.252	78	398042	53.503	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	29893	57.543	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	107788	55.893	ug/l	92
43) Isopropyl Acetate	8.363	43	97580	53.707	ug/l	91
44) Trichloroethene	9.034	130	103889	53.585	ug/l	99
45) 1,2-Dichloropropane	9.304	63	100729	55.696	ug/l	99
46) Dibromomethane	9.393	93	52468	54.829	ug/l	96
47) Bromodichloromethane	9.587	83	134223	55.338	ug/l #	96
48) Methyl methacrylate	9.381	41	56944	55.135	ug/l #	78
49) 1,4-Dioxane	9.387	88	9400	989.259	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	249294	268.848	ug/l	88
52) Toluene	10.334	92	255294	55.320	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	128167	55.026	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	153297	54.436	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	72566	55.439	ug/l	98
56) Ethyl methacrylate	10.598	69	63661	55.172	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	127438	56.482	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	170715	259.436	ug/l	93
59) 2-Hexanone	10.922	43	175903	228.652	ug/l	87
60) Dibromochloromethane	11.075	129	88608	56.226	ug/l	95
61) 1,2-Dibromoethane	11.181	107	68513	55.605	ug/l	98
64) Tetrachloroethene	10.810	164	83595	51.551	ug/l	91
65) Chlorobenzene	11.610	112	269214	51.831	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	98062	53.449	ug/l	96
67) Ethyl Benzene	11.687	91	488349	53.166	ug/l	96
68) m/p-Xylenes	11.793	106	374988	106.728	ug/l	91
69) o-Xylene	12.122	106	177578	54.840	ug/l	92
70) Styrene	12.134	104	270544	56.189	ug/l	95
71) Bromoform	12.298	173	51449	53.669	ug/l #	97
73) Isopropylbenzene	12.422	105	460739	52.240	ug/l	97
74) N-amyl acetate	12.234	43	87858	50.677	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.675	83	78403	50.983	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	47643m	47.140	ug/l	
77) Bromobenzene	12.698	156	110209	53.126	ug/l	93
78) n-propylbenzene	12.763	91	551854	51.349	ug/l	97
79) 2-Chlorotoluene	12.851	91	302737	52.563	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	385529	52.411	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	25783	51.687	ug/l	98
82) 4-Chlorotoluene	12.945	91	318861	52.958	ug/l	96
83) tert-Butylbenzene	13.169	119	330109	53.157	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	390818	53.120	ug/l	98
85) sec-Butylbenzene	13.345	105	465746	50.738	ug/l	97
86) p-Isopropyltoluene	13.463	119	432721	52.651	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	221682	52.255	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	216536	51.175	ug/l	97
89) n-Butylbenzene	13.787	91	395313	51.118	ug/l	98
90) Hexachloroethane	14.057	117	81105	53.660	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	192400	53.326	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11356	50.997	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	123862	50.259	ug/l	99
94) Hexachlorobutadiene	15.204	225	65594	49.358	ug/l	98
95) Naphthalene	15.333	128	224246	54.765	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	105837	52.092	ug/l	99

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

