

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078004.D
 Acq On : 20 Dec 2023 19:03
 Operator : RP/MD
 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

12/21/2023
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Dec 21 05:28:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	104917	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	182823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	172818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	96726	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70212	56.792	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.580%	
35) Dibromofluoromethane	7.805	113	76028	59.369	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.740%	
50) Toluene-d8	10.269	98	287520	56.057	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.120%	
62) 4-Bromofluorobenzene	12.569	95	87507	57.066	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.140%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	48299	36.853	ug/l	95
3) Chloromethane	2.152	50	82963	46.441	ug/l	97
4) Vinyl Chloride	2.287	62	120188	49.559	ug/l	99
5) Bromomethane	2.693	94	90806	66.729	ug/l	100
6) Chloroethane	2.840	64	90848	54.946	ug/l	99
7) Trichlorofluoromethane	3.181	101	100576	45.029	ug/l	95
8) Diethyl Ether	3.593	74	31927	50.905	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.975	101	63708	49.858	ug/l	95
10) Methyl Iodide	4.169	142	68327	59.527	ug/l	# 90
11) Tert butyl alcohol	5.052	59	14672	246.275	ug/l	# 92
12) 1,1-Dichloroethene	3.946	96	59525	47.199	ug/l	# 83
13) Acrolein	3.799	56	19389	148.260	ug/l	92
14) Allyl chloride	4.569	41	78816	45.440	ug/l	88
15) Acrylonitrile	5.252	53	71757	267.217	ug/l	99
16) Acetone	4.017	43	58880	216.090	ug/l	91
17) Carbon Disulfide	4.269	76	173755	40.724	ug/l	96
18) Methyl Acetate	4.564	43	56174	57.694	ug/l	94
19) Methyl tert-butyl Ether	5.316	73	142473	53.247	ug/l	97
20) Methylene Chloride	4.805	84	75410	51.667	ug/l	# 87
21) trans-1,2-Dichloroethene	5.316	96	72107	50.479	ug/l	98
22) Diisopropyl ether	6.216	45	184599	50.929	ug/l	97
23) Vinyl Acetate	6.152	43	423136	239.053	ug/l	93
24) 1,1-Dichloroethane	6.116	63	127068	51.767	ug/l	96
25) 2-Butanone	7.081	43	82428	242.075	ug/l	90
26) 2,2-Dichloropropane	7.081	77	97866	47.487	ug/l	97
27) cis-1,2-Dichloroethene	7.087	96	84174	54.764	ug/l	93
28) Bromochloromethane	7.422	49	57689	58.163	ug/l	82
29) Tetrahydrofuran	7.446	42	50705	257.558	ug/l	89
30) Chloroform	7.599	83	135005	54.956	ug/l	99
31) Cyclohexane	7.881	56	92392	42.016	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	107357	49.573	ug/l	98
36) 1,1-Dichloropropene	8.010	75	96347	47.035	ug/l	96
37) Ethyl Acetate	7.163	43	37142	46.502	ug/l	96
38) Carbon Tetrachloride	7.993	117	96973	47.486	ug/l	96
39) Methylcyclohexane	9.275	83	107919	44.441	ug/l	96
40) Benzene	8.252	78	290062	49.892	ug/l	96

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41) Methacrylonitrile	7.399	41	20619	50.791	ug/l	#	89
42) 1,2-Dichloroethane	8.328	62	78824	52.305	ug/l		94
43) Isopropyl Acetate	8.357	43	70115	49.383	ug/l		93
44) Trichloroethene	9.028	130	74747	49.336	ug/l		95
45) 1,2-Dichloropropane	9.304	63	74892	52.990	ug/l		97
46) Dibromomethane	9.393	93	40262	53.840	ug/l		92
47) Bromodichloromethane	9.587	83	104100	54.921	ug/l		100
48) Methyl methacrylate	9.381	41	40737	50.473	ug/l	#	79
49) 1,4-Dioxane	9.387	88	7859	1058.381	ug/l		94
51) 4-Methyl-2-Pentanone	10.157	43	181776	250.856	ug/l		91
52) Toluene	10.334	92	186969	51.844	ug/l		99
53) t-1,3-Dichloropropene	10.551	75	93922	51.600	ug/l		98
54) cis-1,3-Dichloropropene	10.016	75	115195	52.345	ug/l	#	93
55) 1,1,2-Trichloroethane	10.734	97	58208	56.906	ug/l		94
56) Ethyl methacrylate	10.599	69	48548	53.841	ug/l		90
57) 1,3-Dichloropropane	10.881	76	94911	53.830	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.869	63	136174	264.817	ug/l		96
59) 2-Hexanone	10.922	43	125137	208.152	ug/l		92
60) Dibromochloromethane	11.075	129	71371	57.953	ug/l		97
61) 1,2-Dibromoethane	11.175	107	53969	56.050	ug/l		98
64) Tetrachloroethene	10.810	164	60405	47.556	ug/l		93
65) Chlorobenzene	11.610	112	199531	48.939	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.681	131	74859	52.090	ug/l		99
67) Ethyl Benzene	11.687	91	363700	50.549	ug/l		96
68) m/p-Xylenes	11.793	106	287503	104.467	ug/l		94
69) o-Xylene	12.122	106	133600	52.673	ug/l		95
70) Styrene	12.134	104	204245	54.155	ug/l		96
71) Bromoform	12.298	173	41543	55.325	ug/l	#	99
73) Isopropylbenzene	12.422	105	345483	47.126	ug/l		97
74) N-amyl acetate	12.234	43	60526	42.001	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.669	83	64711	50.625	ug/l		99
76) 1,2,3-Trichloropropane	12.728	75	35308m	42.030	ug/l		
77) Bromobenzene	12.698	156	83001	48.135	ug/l		90
78) n-propylbenzene	12.763	91	428449	47.962	ug/l		96
79) 2-Chlorotoluene	12.851	91	227922	47.610	ug/l		98
80) 1,3,5-Trimethylbenzene	12.904	105	294246	48.124	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.469	75	20214	48.752	ug/l		95
82) 4-Chlorotoluene	12.945	91	247391	49.431	ug/l		96
83) tert-Butylbenzene	13.163	119	255683	49.533	ug/l		98
84) 1,2,4-Trimethylbenzene	13.210	105	303082	49.560	ug/l		97
85) sec-Butylbenzene	13.345	105	376284	49.316	ug/l		95
86) p-Isopropyltoluene	13.463	119	335817	49.158	ug/l		97
87) 1,3-Dichlorobenzene	13.457	146	173613	49.234	ug/l		98
88) 1,4-Dichlorobenzene	13.540	146	170077	48.266	ug/l		98
89) n-Butylbenzene	13.787	91	307838	47.890	ug/l		97
90) Hexachloroethane	14.051	117	66135	52.641	ug/l		94
91) 1,2-Dichlorobenzene	13.834	146	149050	49.700	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9366	50.594	ug/l		96
93) 1,2,4-Trichlorobenzene	15.098	180	89984	43.927	ug/l		99
94) Hexachlorobutadiene	15.204	225	49603	44.904	ug/l		96
95) Naphthalene	15.334	128	171584	50.413	ug/l		96
96) 1,2,3-Trichlorobenzene	15.522	180	80570	47.708	ug/l		99

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

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