

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020725\
 Data File : VD080262.D
 Acq On : 07 Feb 2025 16:37
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 07 23:35:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:44:14 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/10/2025
 Supervised By :Semsettin Yesilyurt 02/10/2025

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	119513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	182041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	176788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	101124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	62472	40.185	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.360%		
35) Dibromofluoromethane	7.804	113	61407	47.596	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.200%		
50) Toluene-d8	10.269	98	228649	47.789	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.580%		
62) 4-Bromofluorobenzene	12.569	95	74543	48.557	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	48857	40.204	ug/l	99
3) Chloromethane	2.146	50	91091	36.589	ug/l	95
4) Vinyl Chloride	2.275	62	120537	40.021	ug/l	98
5) Bromomethane	2.681	94	85221	47.318	ug/l	99
6) Chloroethane	2.828	64	91098	45.412	ug/l	97
7) Trichlorofluoromethane	3.164	101	109901	44.032	ug/l	99
8) Diethyl Ether	3.599	74	30479	44.637	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.958	101	66531	46.049	ug/l	98
10) Methyl Iodide	4.158	142	66256	53.063	ug/l	97
11) Tert butyl alcohol	5.063	59	20682	240.838	ug/l	99
12) 1,1-Dichloroethene	3.928	96	61448	44.898	ug/l	95
13) Acrolein	3.793	56	27344	168.874	ug/l	100
14) Allyl chloride	4.558	41	93785	44.466	ug/l	98
15) Acrylonitrile	5.258	53	76878	234.346	ug/l	99
16) Acetone	4.028	43	57918	231.165	ug/l	89
17) Carbon Disulfide	4.269	76	206428	41.821	ug/l	99
18) Methyl Acetate	4.569	43	42610	50.402	ug/l #	74
19) Methyl tert-butyl Ether	5.322	73	145521	48.296	ug/l	94
20) Methylene Chloride	4.799	84	75122	44.183	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	71311	45.864	ug/l	93
22) Diisopropyl ether	6.222	45	214391	48.844	ug/l	96
23) Vinyl Acetate	6.157	43	627431	247.594	ug/l	99
24) 1,1-Dichloroethane	6.116	63	129970	45.170	ug/l	97
25) 2-Butanone	7.087	43	95315	245.265	ug/l	94
26) 2,2-Dichloropropane	7.075	77	110986	44.471	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	82227	46.812	ug/l	95
28) Bromochloromethane	7.422	49	60904	46.383	ug/l #	95
29) Tetrahydrofuran	7.452	42	63480	249.395	ug/l	99
30) Chloroform	7.593	83	141641	48.148	ug/l	93
31) Cyclohexane	7.881	56	100431	43.601	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	119224	48.441	ug/l	97
36) 1,1-Dichloropropene	8.010	75	96125	52.018	ug/l	99
37) Ethyl Acetate	7.169	43	46531	51.350	ug/l	97
38) Carbon Tetrachloride	7.993	117	99322	51.457	ug/l	95
39) Methylcyclohexane	9.275	83	106441	53.018	ug/l	96
40) Benzene	8.252	78	292811	50.551	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	23141	46.395	ug/l	88
42) 1,2-Dichloroethane	8.322	62	84554	51.298	ug/l	99
43) Isopropyl Acetate	8.363	43	89106	55.407	ug/l	99
44) Trichloroethene	9.028	130	70737	52.863	ug/l	98
45) 1,2-Dichloropropane	9.304	63	75422	51.768	ug/l	97
46) Dibromomethane	9.393	93	44808	55.202	ug/l	96
47) Bromodichloromethane	9.581	83	109856	53.668	ug/l	96
48) Methyl methacrylate	9.381	41	39394	52.935	ug/l	96
49) 1,4-Dioxane	9.393	88	9729	1101.789	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	232507	285.918	ug/l	98
52) Toluene	10.328	92	185027	54.611	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	96309	55.193	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	111289	52.431	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	57400	54.424	ug/l	94
56) Ethyl methacrylate	10.598	69	71271	59.224	ug/l	98
57) 1,3-Dichloropropane	10.875	76	95698	54.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	129831	252.770	ug/l	97
59) 2-Hexanone	10.922	43	164582	308.426	ug/l	99
60) Dibromochloromethane	11.075	129	73295	56.381	ug/l	97
61) 1,2-Dibromoethane	11.175	107	53248	55.436	ug/l	100
64) Tetrachloroethene	10.810	164	62474	50.587	ug/l	97
65) Chlorobenzene	11.604	112	198174	48.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	73128	51.584	ug/l	98
67) Ethyl Benzene	11.681	91	349789	51.889	ug/l	99
68) m/p-Xylenes	11.793	106	275938	105.440	ug/l	99
69) o-Xylene	12.122	106	125954	52.778	ug/l	100
70) Styrene	12.134	104	229701	54.073	ug/l	99
71) Bromoform	12.298	173	44991	53.837	ug/l #	99
73) Isopropylbenzene	12.416	105	328246	47.990	ug/l	99
74) N-amyl acetate	12.228	43	87223	48.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	70125	49.269	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	46012m	44.984	ug/l	
77) Bromobenzene	12.698	156	84168	47.706	ug/l	98
78) n-propylbenzene	12.763	91	426141	48.933	ug/l	100
79) 2-Chlorotoluene	12.845	91	242055	48.926	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	292299	51.098	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	25552	51.081	ug/l	99
82) 4-Chlorotoluene	12.945	91	262040	49.840	ug/l	100
83) tert-Butylbenzene	13.163	119	235165	50.287	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	300009	51.526	ug/l	100
85) sec-Butylbenzene	13.345	105	367455	51.391	ug/l	99
86) p-Isopropyltoluene	13.457	119	314785	51.558	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	174829	50.310	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	172389	49.013	ug/l	99
89) n-Butylbenzene	13.787	91	297070	50.071	ug/l	99
90) Hexachloroethane	14.051	117	65171	48.029	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	154006	50.296	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	10643	47.000	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	91928	47.098	ug/l	99
94) Hexachlorobutadiene	15.198	225	49139	46.485	ug/l	99
95) Naphthalene	15.328	128	171203	50.266	ug/l	96
96) 1,2,3-Trichlorobenzene	15.516	180	84105	47.748	ug/l	99

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

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