

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022525\
 Data File : VD080264.D
 Acq On : 25 Feb 2025 10:45
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 02:27:22 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	119659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	180710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	179213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	74082	47.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.180%		
35) Dibromofluoromethane	7.805	113	67630	52.805	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.620%		
50) Toluene-d8	10.269	98	267560	56.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	112.660%		
62) 4-Bromofluorobenzene	12.569	95	90317	59.265	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	118.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	48536	39.862	ug/l	96
3) Chloromethane	2.152	50	96326	38.644	ug/l	98
4) Vinyl Chloride	2.275	62	133597	44.303	ug/l	99
5) Bromomethane	2.681	94	92163	51.353	ug/l	100
6) Chloroethane	2.828	64	98025	48.805	ug/l	97
7) Trichlorofluoromethane	3.164	101	114484	45.812	ug/l	93
8) Diethyl Ether	3.593	74	31211	45.654	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.964	101	71343	49.319	ug/l	97
10) Methyl Iodide	4.164	142	66720	53.317	ug/l	98
11) Tert butyl alcohol	5.069	59	20114	233.937	ug/l #	95
12) 1,1-Dichloroethene	3.940	96	63176	46.105	ug/l	88
13) Acrolein	3.799	56	11743	72.435	ug/l	90
14) Allyl chloride	4.558	41	99616	47.173	ug/l	98
15) Acrylonitrile	5.258	53	78070	237.690	ug/l	98
16) Acetone	4.022	43	65388	260.661	ug/l	91
17) Carbon Disulfide	4.264	76	219026	44.319	ug/l	99
18) Methyl Acetate	4.564	43	46750	55.232	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	149892	49.686	ug/l	99
20) Methylene Chloride	4.799	84	82322	48.359	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	75450	48.467	ug/l	93
22) Diisopropyl ether	6.216	45	232351	52.871	ug/l	97
23) Vinyl Acetate	6.152	43	646572	254.837	ug/l	98
24) 1,1-Dichloroethane	6.111	63	140433	48.746	ug/l	98
25) 2-Butanone	7.081	43	100497	258.284	ug/l	94
26) 2,2-Dichloropropane	7.075	77	120980	48.417	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	86905	49.415	ug/l	97
28) Bromochloromethane	7.422	49	59356	45.149	ug/l #	94
29) Tetrahydrofuran	7.452	42	63015	247.266	ug/l	97
30) Chloroform	7.593	83	148678	50.478	ug/l	98
31) Cyclohexane	7.881	56	111055	48.155	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	124163	50.387	ug/l	100
36) 1,1-Dichloropropene	8.005	75	103234	56.276	ug/l	99
37) Ethyl Acetate	7.169	43	47054	52.310	ug/l	97
38) Carbon Tetrachloride	7.987	117	108734	56.748	ug/l	93
39) Methylcyclohexane	9.275	83	117455	58.935	ug/l	98
40) Benzene	8.252	78	314069	54.621	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	24039	48.550	ug/l	90
42) 1,2-Dichloroethane	8.322	62	88237	53.926	ug/l	99
43) Isopropyl Acetate	8.363	43	88152	55.218	ug/l	99
44) Trichloroethene	9.028	130	74357	55.978	ug/l	93
45) 1,2-Dichloropropane	9.304	63	81277	56.197	ug/l	99
46) Dibromomethane	9.393	93	46144	57.267	ug/l	99
47) Bromodichloromethane	9.581	83	116865	57.513	ug/l	98
48) Methyl methacrylate	9.381	41	44053	59.631	ug/l	91
49) 1,4-Dioxane	9.387	88	10718	1222.731	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	244627	303.038	ug/l	99
52) Toluene	10.334	92	199068	59.188	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	100161	57.823	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	120449	57.165	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	60650	57.929	ug/l	93
56) Ethyl methacrylate	10.599	69	73880	61.844	ug/l	99
57) 1,3-Dichloropropane	10.881	76	99686	57.566	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	135490	265.731	ug/l	97
59) 2-Hexanone	10.922	43	168601	318.285	ug/l	98
60) Dibromochloromethane	11.075	129	76621	59.373	ug/l	97
61) 1,2-Dibromoethane	11.175	107	54506	57.164	ug/l	99
64) Tetrachloroethene	10.810	164	66590	53.191	ug/l	97
65) Chlorobenzene	11.604	112	214492	52.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	77472	53.909	ug/l	98
67) Ethyl Benzene	11.681	91	382279	55.941	ug/l	99
68) m/p-Xylenes	11.793	106	304176	114.657	ug/l	99
69) o-Xylene	12.122	106	135751	56.114	ug/l	97
70) Styrene	12.134	104	252174	58.560	ug/l	99
71) Bromoform	12.298	173	44723	52.792	ug/l #	95
73) Isopropylbenzene	12.422	105	366519	53.104	ug/l	100
74) N-amyl acetate	12.234	43	93867	51.738	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	72508	50.485	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	57766m	55.968	ug/l	
77) Bromobenzene	12.698	156	91088	51.164	ug/l	98
78) n-propylbenzene	12.763	91	478775	54.484	ug/l	100
79) 2-Chlorotoluene	12.845	91	266058	53.294	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	320385	55.505	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	26637	52.772	ug/l	97
82) 4-Chlorotoluene	12.945	91	289477	54.565	ug/l	100
83) tert-Butylbenzene	13.163	119	261549	55.426	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	328798	55.964	ug/l	99
85) sec-Butylbenzene	13.345	105	415233	57.551	ug/l	100
86) p-Isopropyltoluene	13.457	119	357371	58.008	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	192105	54.785	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	189502	53.395	ug/l	99
89) n-Butylbenzene	13.787	91	347708	58.080	ug/l	99
90) Hexachloroethane	14.051	117	74190	54.185	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	168350	54.487	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	11337	49.615	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	103532	52.567	ug/l	98
94) Hexachlorobutadiene	15.204	225	56953	53.393	ug/l	98
95) Naphthalene	15.328	128	186709	53.641	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	92308	51.934	ug/l	99

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

