

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020725\
 Data File : VD080255.D
 Acq On : 07 Feb 2025 11:07
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 07 23:27:38 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	134322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	210640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	197022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109172	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	75441	43.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.360%
35) Dibromofluoromethane	7.804	113	72421	48.511	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.020%
50) Toluene-d8	10.269	98	278544	50.313	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.620%
62) 4-Bromofluorobenzene	12.575	95	90383	50.881	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.760%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	62043	45.921	ug/l	97
3) Chloromethane	2.152	50	118664	42.409	ug/l	95
4) Vinyl Chloride	2.281	62	149857	44.271	ug/l	95
5) Bromomethane	2.693	94	101636	50.403	ug/l	99
6) Chloroethane	2.834	64	102766	45.581	ug/l	91
7) Trichlorofluoromethane	3.175	101	133082	47.441	ug/l	98
8) Diethyl Ether	3.593	74	37773	49.221	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.963	101	82132	50.579	ug/l	99
10) Methyl Iodide	4.158	142	87351	60.570	ug/l	100
11) Tert butyl alcohol	5.058	59	21249	220.160	ug/l #	91
12) 1,1-Dichloroethene	3.940	96	79228	51.507	ug/l	96
13) Acrolein	3.799	56	34626	190.271	ug/l	96
14) Allyl chloride	4.563	41	124607	52.566	ug/l	99
15) Acrylonitrile	5.258	53	87849	238.265	ug/l	100
16) Acetone	4.022	43	74896	265.971	ug/l #	87
17) Carbon Disulfide	4.269	76	263725	47.538	ug/l	97
18) Methyl Acetate	4.558	43	48142	50.668	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	169107	49.936	ug/l	94
20) Methylene Chloride	4.799	84	91854	48.068	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	89658	51.307	ug/l	94
22) Diisopropyl ether	6.216	45	269192	54.567	ug/l	98
23) Vinyl Acetate	6.157	43	747151	262.332	ug/l	99
24) 1,1-Dichloroethane	6.110	63	164157	50.761	ug/l	98
25) 2-Butanone	7.081	43	109027	249.618	ug/l	99
26) 2,2-Dichloropropane	7.081	77	137127	48.888	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	101824	51.578	ug/l	97
28) Bromochloromethane	7.422	49	65835	44.611	ug/l	94
29) Tetrahydrofuran	7.446	42	67625	236.388	ug/l	96
30) Chloroform	7.593	83	170890	51.686	ug/l	93
31) Cyclohexane	7.881	56	131770	50.900	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	142908	51.663	ug/l	99
36) 1,1-Dichloropropene	8.010	75	119642	55.953	ug/l	98
37) Ethyl Acetate	7.169	43	53606	51.126	ug/l	98
38) Carbon Tetrachloride	7.987	117	122956	55.052	ug/l	93
39) Methylcyclohexane	9.275	83	137977	59.395	ug/l	99
40) Benzene	8.251	78	359038	53.569	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	30689	53.174	ug/l	94
42) 1,2-Dichloroethane	8.322	62	99658	52.252	ug/l	99
43) Isopropyl Acetate	8.363	43	95228	51.175	ug/l	99
44) Trichloroethene	9.028	130	86121	55.622	ug/l	98
45) 1,2-Dichloropropane	9.304	63	92919	55.118	ug/l	98
46) Dibromomethane	9.398	93	49767	52.987	ug/l	99
47) Bromodichloromethane	9.581	83	129619	54.726	ug/l	93
48) Methyl methacrylate	9.381	41	47646	55.331	ug/l	94
49) 1,4-Dioxane	9.381	88	10469	1024.622	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	255086	271.094	ug/l	99
52) Toluene	10.334	92	222324	56.710	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	113327	56.128	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	136791	55.696	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	63617	52.129	ug/l	94
56) Ethyl methacrylate	10.598	69	78779	56.575	ug/l	96
57) 1,3-Dichloropropane	10.875	76	109480	54.238	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	150790	253.717	ug/l	97
59) 2-Hexanone	10.922	43	177283	287.120	ug/l	99
60) Dibromochloromethane	11.075	129	82506	54.849	ug/l	99
61) 1,2-Dibromoethane	11.181	107	59754	53.763	ug/l	98
64) Tetrachloroethene	10.810	164	75651	54.966	ug/l	98
65) Chlorobenzene	11.604	112	241759	53.532	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	86222	54.575	ug/l	98
67) Ethyl Benzene	11.681	91	433283	57.674	ug/l	100
68) m/p-Xylenes	11.792	106	338756	116.149	ug/l	99
69) o-Xylene	12.122	106	154536	58.105	ug/l	99
70) Styrene	12.134	104	274544	57.992	ug/l	99
71) Bromoform	12.298	173	48269	51.827	ug/l #	95
73) Isopropylbenzene	12.422	105	406572	55.059	ug/l	99
74) N-amyl acetate	12.234	43	95883	49.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	75436	49.093	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	50685m	45.899	ug/l	
77) Bromobenzene	12.698	156	97762	51.326	ug/l	98
78) n-propylbenzene	12.763	91	519443	55.250	ug/l	99
79) 2-Chlorotoluene	12.851	91	291782	54.629	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	348203	56.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	27317	50.584	ug/l	94
82) 4-Chlorotoluene	12.945	91	314308	55.375	ug/l	99
83) tert-Butylbenzene	13.163	119	297612	58.949	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	359878	57.252	ug/l	99
85) sec-Butylbenzene	13.345	105	455018	58.946	ug/l	99
86) p-Isopropyltoluene	13.457	119	385965	58.556	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	204078	54.397	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	200834	52.891	ug/l	99
89) n-Butylbenzene	13.786	91	375927	58.691	ug/l	99
90) Hexachloroethane	14.051	117	77188	52.691	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	175436	53.071	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11142	45.576	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	110357	52.372	ug/l	99
94) Hexachlorobutadiene	15.204	225	61316	53.728	ug/l	99
95) Naphthalene	15.333	128	187301	50.831	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	97600	51.325	ug/l	99

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

