

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080220.D
 Acq On : 03 Feb 2025 10:54
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
 Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 04 05:30:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:30:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	134384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	223619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	210746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	16035	9.173	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.340%#		
35) Dibromofluoromethane	7.810	113	15350	9.685	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.380%#		
50) Toluene-d8	10.269	98	56251	9.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.140%#		
62) 4-Bromofluorobenzene	12.575	95	18038	9.565	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.140%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	19288	11.644	ug/l	94
3) Chloromethane	2.152	50	30702	10.968	ug/l	100
4) Vinyl Chloride	2.287	62	36998	10.925	ug/l	99
5) Bromomethane	2.693	94	30663	8.959	ug/l	96
6) Chloroethane	2.834	64	24419	10.826	ug/l	96
7) Trichlorofluoromethane	3.175	101	30229	10.771	ug/l	94
8) Diethyl Ether	3.599	74	7187	9.361	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.969	101	17682	10.884	ug/l	98
10) Methyl Iodide	4.169	142	6633	8.998	ug/l	98
11) Tert butyl alcohol	5.081	59	4936	51.118	ug/l #	92
12) 1,1-Dichloroethene	3.940	96	15137	9.836	ug/l	88
13) Acrolein	3.805	56	8722	47.905	ug/l	95
14) Allyl chloride	4.563	41	23641	9.969	ug/l	97
15) Acrylonitrile	5.263	53	17137	46.458	ug/l	97
16) Acetone	4.022	43	14697	52.168	ug/l #	78
17) Carbon Disulfide	4.275	76	59312	10.686	ug/l	100
18) Methyl Acetate	4.575	43	9856	10.368	ug/l	97
19) Methyl tert-butyl Ether	5.328	73	29449	8.692	ug/l	96
20) Methylene Chloride	4.811	84	20300	10.618	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	17049	9.752	ug/l	98
22) Diisopropyl ether	6.222	45	45553	9.230	ug/l	97
23) Vinyl Acetate	6.163	43	124384	43.652	ug/l	96
24) 1,1-Dichloroethane	6.116	63	32964	10.189	ug/l	97
25) 2-Butanone	7.087	43	19186	43.906	ug/l	92
26) 2,2-Dichloropropane	7.075	77	28226	10.058	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	18783	9.510	ug/l	99
28) Bromochloromethane	7.434	49	14528	9.840	ug/l #	100
29) Tetrahydrofuran	7.452	42	12623	44.104	ug/l	99
30) Chloroform	7.599	83	34170	10.330	ug/l	95
31) Cyclohexane	7.881	56	26473	10.221	ug/l #	86
32) 1,1,1-Trichloroethane	7.793	97	28807	10.409	ug/l	99
36) 1,1-Dichloropropene	8.010	75	22925	10.099	ug/l	98
37) Ethyl Acetate	7.169	43	10821	9.721	ug/l #	97
38) Carbon Tetrachloride	7.999	117	24981	10.536	ug/l	93
39) Methylcyclohexane	9.275	83	23716	9.617	ug/l	94
40) Benzene	8.252	78	68769	9.665	ug/l	99

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 Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	5958m	9.710	ug/l	
42) 1,2-Dichloroethane	8.328	62	21053	10.398	ug/l	100
43) Isopropyl Acetate	8.363	43	18279	9.253	ug/l #	85
44) Trichloroethene	9.028	130	16670	10.142	ug/l	92
45) 1,2-Dichloropropane	9.310	63	18112	10.120	ug/l	98
46) Dibromomethane	9.399	93	10401	10.431	ug/l	97
47) Bromodichloromethane	9.581	83	26307	10.462	ug/l #	87
48) Methyl methacrylate	9.381	41	7457	8.157	ug/l	98
49) 1,4-Dioxane	9.393	88	2433	224.302	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	46283	46.333	ug/l	96
52) Toluene	10.334	92	41315	9.927	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	21031	9.811	ug/l #	89
54) cis-1,3-Dichloropropene	10.016	75	26053	9.992	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	13313	10.276	ug/l	94
56) Ethyl methacrylate	10.598	69	13412	9.073	ug/l	98
57) 1,3-Dichloropropane	10.881	76	20759	9.687	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	27857	44.151	ug/l	98
59) 2-Hexanone	10.922	43	29279	44.667	ug/l	95
60) Dibromochloromethane	11.069	129	16216	10.155	ug/l	93
61) 1,2-Dibromoethane	11.181	107	12090	10.246	ug/l	99
64) Tetrachloroethene	10.810	164	15097	10.255	ug/l	96
65) Chlorobenzene	11.610	112	48732	10.088	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	17065	10.098	ug/l	95
67) Ethyl Benzene	11.681	91	72692	9.046	ug/l	99
68) m/p-Xylenes	11.792	106	55402	17.759	ug/l	100
69) o-Xylene	12.122	106	26014	9.144	ug/l	99
70) Styrene	12.134	104	45028	8.892	ug/l	97
71) Bromoform	12.298	173	9315	9.350	ug/l #	97
73) Isopropylbenzene	12.422	105	66469	8.480	ug/l	100
74) N-amyl acetate	12.234	43	17530	8.508	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	15213	9.327	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	12525m	10.685	ug/l	
77) Bromobenzene	12.698	156	18720	9.259	ug/l	93
78) n-propylbenzene	12.763	91	84826	8.500	ug/l	99
79) 2-Chlorotoluene	12.845	91	51327	9.053	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	57051	8.703	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	4935	8.609	ug/l	88
82) 4-Chlorotoluene	12.945	91	55636	9.234	ug/l	98
83) tert-Butylbenzene	13.163	119	44922	8.382	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	56511	8.469	ug/l	99
85) sec-Butylbenzene	13.345	105	74667	9.112	ug/l	99
86) p-Isopropyltoluene	13.457	119	61023	8.722	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	37674	9.460	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	40228	9.981	ug/l	98
89) n-Butylbenzene	13.787	91	58489	8.603	ug/l	98
90) Hexachloroethane	14.051	117	14795	9.514	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	34756	9.905	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2468	9.510	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	19133	8.554	ug/l	99
94) Hexachlorobutadiene	15.198	225	10464	8.638	ug/l	97
95) Naphthalene	15.333	128	31944	9.107	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	17473	8.656	ug/l	99

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

