

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080221.D
 Acq On : 03 Feb 2025 11:21
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Feb 04 05:31:44 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	7.875	168	133247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	220065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	201909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	101736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	36387	20.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.980%#		
35) Dibromofluoromethane	7.811	113	34223	21.942	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.880%#		
50) Toluene-d8	10.269	98	122045	21.101	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	42.200%#		
62) 4-Bromofluorobenzene	12.575	95	37635	20.279	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	34967	24.445	ug/l	97
3) Chloromethane	2.152	50	61174	22.039	ug/l	98
4) Vinyl Chloride	2.281	62	71211	21.207	ug/l	99
5) Bromomethane	2.676	94	54429	24.223	ug/l	100
6) Chloroethane	2.828	64	45447	20.320	ug/l	94
7) Trichlorofluoromethane	3.170	101	57892	20.804	ug/l	100
8) Diethyl Ether	3.599	74	15366	20.184	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.970	101	32684	20.290	ug/l	97
10) Methyl Iodide	4.158	142	21299	19.419	ug/l	98
11) Tert butyl alcohol	5.052	59	9728	101.604	ug/l	100
12) 1,1-Dichloroethene	3.934	96	31611	20.717	ug/l	94
13) Acrolein	3.799	56	19110	105.857	ug/l	97
14) Allyl chloride	4.564	41	45720	19.443	ug/l	96
15) Acrylonitrile	5.258	53	36115	98.742	ug/l	96
16) Acetone	4.028	43	28252	101.138	ug/l	88
17) Carbon Disulfide	4.270	76	117841	21.413	ug/l	99
18) Methyl Acetate	4.570	43	18538	19.668	ug/l	96
19) Methyl tert-butyl Ether	5.328	73	65597	19.527	ug/l	92
20) Methylene Chloride	4.805	84	39761	20.975	ug/l #	94
21) trans-1,2-Dichloroethene	5.311	96	33861	19.533	ug/l	94
22) Diisopropyl ether	6.222	45	102438	20.932	ug/l	98
23) Vinyl Acetate	6.158	43	284407	100.664	ug/l	97
24) 1,1-Dichloroethane	6.111	63	65221	20.331	ug/l	97
25) 2-Butanone	7.087	43	42535	98.170	ug/l	96
26) 2,2-Dichloropropane	7.081	77	53170	19.109	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	37511	19.154	ug/l	98
28) Bromochloromethane	7.428	49	30601	20.903	ug/l #	99
29) Tetrahydrofuran	7.446	42	28333	99.839	ug/l	98
30) Chloroform	7.599	83	66987	20.424	ug/l	96
31) Cyclohexane	7.875	56	50180	19.540	ug/l #	94
32) 1,1,1-Trichloroethane	7.793	97	55104	20.081	ug/l	99
36) 1,1-Dichloropropene	8.011	75	46228	20.694	ug/l	96
37) Ethyl Acetate	7.169	43	23316	21.285	ug/l #	79
38) Carbon Tetrachloride	7.993	117	48435	20.758	ug/l #	90
39) Methylcyclohexane	9.275	83	46434	19.133	ug/l	95
40) Benzene	8.252	78	138015	19.710	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.411	41	13551	22.441	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	39294	19.720	ug/l	96
43) Isopropyl Acetate	8.363	43	38746	19.930	ug/l	98
44) Trichloroethene	9.028	130	33558	20.745	ug/l	95
45) 1,2-Dichloropropane	9.305	63	36430	20.684	ug/l	99
46) Dibromomethane	9.393	93	20049	20.432	ug/l	97
47) Bromodichloromethane	9.587	83	50544	20.426	ug/l	94
48) Methyl methacrylate	9.381	41	18387	20.438	ug/l	90
49) 1,4-Dioxane	9.381	88	4101	384.183	ug/l #	93
51) 4-Methyl-2-Pentanone	10.157	43	102940	104.715	ug/l	98
52) Toluene	10.334	92	84644	20.666	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	44852	21.262	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	53290	20.768	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	26092	20.465	ug/l	94
56) Ethyl methacrylate	10.599	69	27975	19.230	ug/l	94
57) 1,3-Dichloropropane	10.875	76	43729	20.736	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	58818	94.728	ug/l	95
59) 2-Hexanone	10.922	43	66419	102.963	ug/l	97
60) Dibromochloromethane	11.075	129	32908	20.940	ug/l	95
61) 1,2-Dibromoethane	11.175	107	23651	20.368	ug/l	96
64) Tetrachloroethene	10.810	164	28898	20.488	ug/l	88
65) Chlorobenzene	11.604	112	94289	20.373	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	32824	20.273	ug/l	97
67) Ethyl Benzene	11.681	91	149799	19.457	ug/l	96
68) m/p-Xylenes	11.793	106	120381	40.276	ug/l	99
69) o-Xylene	12.122	106	53055	19.466	ug/l	100
70) Styrene	12.134	104	96771	19.946	ug/l	99
71) Bromoform	12.299	173	18655	19.545	ug/l #	95
73) Isopropylbenzene	12.422	105	135640	19.711	ug/l	100
74) N-amyl acetate	12.234	43	37273	20.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	29713	20.750	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	20131m	19.563	ug/l	
77) Bromobenzene	12.698	156	36319	20.461	ug/l	99
78) n-propylbenzene	12.763	91	174717	19.942	ug/l	99
79) 2-Chlorotoluene	12.846	91	100001	20.091	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	117266	20.377	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.463	75	10265	20.397	ug/l	98
82) 4-Chlorotoluene	12.946	91	111940	21.163	ug/l	99
83) tert-Butylbenzene	13.163	119	89175	18.954	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	112504	19.206	ug/l	99
85) sec-Butylbenzene	13.346	105	139797	19.434	ug/l	99
86) p-Isopropyltoluene	13.457	119	116302	18.934	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	68932	19.717	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	70892	20.035	ug/l	99
89) n-Butylbenzene	13.787	91	112138	18.787	ug/l	99
90) Hexachloroethane	14.051	117	26254	19.232	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	60954	19.787	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4283	18.800	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	34807	17.726	ug/l	97
94) Hexachlorobutadiene	15.204	225	18879	17.752	ug/l	99
95) Naphthalene	15.334	128	61307	19.904	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	32108	18.119	ug/l	97

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

