

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080219.D
 Acq On : 03 Feb 2025 10:27
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 04 05:40:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:40:32 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	121220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	206585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	194009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	100564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	8296	5.261	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.520%#		
35) Dibromofluoromethane	7.811	113	7578	5.176	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.360%#		
50) Toluene-d8	10.269	98	25598	4.715	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.420%#		
62) 4-Bromofluorobenzene	12.569	95	8724	5.008	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.020%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	9203	4.365	ug/l	91
3) Chloromethane	2.152	50	13905	5.507	ug/l	97
4) Vinyl Chloride	2.287	62	16622	5.441	ug/l	96
5) Bromomethane	2.699	94	15161	6.437	ug/l	99
6) Chloroethane	2.846	64	11574	5.688	ug/l	94
7) Trichlorofluoromethane	3.175	101	14882	5.879	ug/l	93
8) Diethyl Ether	3.605	74	3091	4.463	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.970	101	8543	5.830	ug/l	99
10) Methyl Iodide	4.181	142	1693	5.544	ug/l #	88
11) Tert butyl alcohol	5.058	59	2250m	25.832	ug/l	
12) 1,1-Dichloroethene	3.946	96	7374	5.312	ug/l	81
13) Acrolein	3.799	56	3614	22.005	ug/l	92
14) Allyl chloride	4.575	41	9413	4.400	ug/l	95
15) Acrylonitrile	5.258	53	7106	21.356	ug/l #	95
16) Acetone	4.034	43	7365	28.982	ug/l	91
17) Carbon Disulfide	4.270	76	27783	5.549	ug/l	99
18) Methyl Acetate	4.564	43	3855	4.496	ug/l #	88
19) Methyl tert-butyl Ether	5.322	73	12006	3.929	ug/l	92
20) Methylene Chloride	4.811	84	9634	5.586	ug/l #	91
21) trans-1,2-Dichloroethene	5.322	96	7565	4.797	ug/l	91
22) Diisopropyl ether	6.222	45	17160	3.854	ug/l #	93
23) Vinyl Acetate	6.158	43	48590	18.904	ug/l #	86
24) 1,1-Dichloroethane	6.116	63	14623	5.010	ug/l	95
25) 2-Butanone	7.093	43	8195	20.790	ug/l #	88
26) 2,2-Dichloropropane	7.087	77	13782	5.445	ug/l	98
27) cis-1,2-Dichloroethene	7.087	96	8289	4.653	ug/l	97
28) Bromochloromethane	7.428	49	7025	5.275	ug/l #	93
29) Tetrahydrofuran	7.452	42	5133	19.882	ug/l #	81
30) Chloroform	7.593	83	15145	5.076	ug/l	93
31) Cyclohexane	7.875	56	12203	5.223	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	13177	5.279	ug/l	99
36) 1,1-Dichloropropene	8.011	75	10067	4.800	ug/l	94
37) Ethyl Acetate	7.181	43	4446	4.324	ug/l #	87
38) Carbon Tetrachloride	7.999	117	11247	5.135	ug/l	87
39) Methylcyclohexane	9.269	83	10484	4.602	ug/l	96
40) Benzene	8.252	78	31105	4.732	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	2116	3.733	ug/l #	56
42) 1,2-Dichloroethane	8.328	62	9317	4.981	ug/l	96
43) Isopropyl Acetate	8.363	43	7573	4.150	ug/l #	60
44) Trichloroethene	9.028	130	7165	4.718	ug/l	90
45) 1,2-Dichloropropane	9.310	63	8278	5.007	ug/l	96
46) Dibromomethane	9.393	93	4651	5.049	ug/l	94
47) Bromodichloromethane	9.587	83	11910	5.127	ug/l	86
48) Methyl methacrylate	9.387	41	3835	4.541	ug/l	89
49) 1,4-Dioxane	9.381	88	717	71.552	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	18133	19.649	ug/l	95
52) Toluene	10.334	92	17254	4.488	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	8473	4.279	ug/l #	83
54) cis-1,3-Dichloropropene	10.016	75	10021	4.160	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	6436	5.377	ug/l #	83
56) Ethyl methacrylate	10.599	69	5170	3.786	ug/l	91
57) 1,3-Dichloropropane	10.881	76	9522	4.810	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	10941	18.770	ug/l	97
59) 2-Hexanone	10.922	43	11107	18.342	ug/l	99
60) Dibromochloromethane	11.069	129	7090	4.806	ug/l	94
61) 1,2-Dibromoethane	11.181	107	5351	4.909	ug/l	94
64) Tetrachloroethene	10.810	164	7147	5.273	ug/l	84
65) Chlorobenzene	11.604	112	22008	4.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	7909	5.084	ug/l	97
67) Ethyl Benzene	11.687	91	32642	4.412	ug/l	95
68) m/p-Xylenes	11.799	106	24792	8.632	ug/l	90
69) o-Xylene	12.122	106	10672	4.075	ug/l	96
70) Styrene	12.134	104	18781	4.029	ug/l	98
71) Bromoform	12.299	173	4766	5.197	ug/l #	95
73) Isopropylbenzene	12.422	105	29314	4.310	ug/l	95
74) N-amyl acetate	12.234	43	7041	3.938	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	6917	4.887	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	5570m	5.476	ug/l	
77) Bromobenzene	12.704	156	7827	4.461	ug/l	93
78) n-propylbenzene	12.763	91	37418	4.321	ug/l	99
79) 2-Chlorotoluene	12.851	91	21852	4.441	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	24173	4.249	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.475	75	2218	4.459	ug/l	90
82) 4-Chlorotoluene	12.946	91	22963	4.392	ug/l	99
83) tert-Butylbenzene	13.163	119	21883	4.705	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	25062	4.328	ug/l	99
85) sec-Butylbenzene	13.346	105	32039	4.506	ug/l	98
86) p-Isopropyltoluene	13.463	119	27223	4.484	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	16985	4.915	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	18347	5.245	ug/l	94
89) n-Butylbenzene	13.787	91	29720	5.037	ug/l	94
90) Hexachloroethane	14.051	117	7078	5.245	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	15067	4.948	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1205	5.351	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	8886	4.578	ug/l	99
94) Hexachlorobutadiene	15.204	225	5322	5.063	ug/l	99
95) Naphthalene	15.328	128	13776	4.179	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.522	180	7665	4.376	ug/l	93

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

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