

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020725\
 Data File : VD080258.D
 Acq On : 07 Feb 2025 12:42
 Operator : RP/MD
 Sample : VD0207SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/10/2025
 Supervised By :Semsettin Yesilyurt 02/10/2025

Quant Time: Feb 07 23:30:09 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	119389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	196176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	186040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	103567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78994	50.865	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.740%			
35) Dibromofluoromethane	7.810	113	71798	51.640	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.280%			
50) Toluene-d8	10.269	98	275241	53.382	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.760%			
62) 4-Bromofluorobenzene	12.575	95	88951	53.767	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	30200	23.425	ug/l	91
3) Chloromethane	2.152	50	47690	19.176	ug/l	99
4) Vinyl Chloride	2.281	62	59773	19.867	ug/l	91
5) Bromomethane	2.681	94	41539	19.252	ug/l	100
6) Chloroethane	2.828	64	40500	20.210	ug/l	90
7) Trichlorofluoromethane	3.169	101	49826	19.984	ug/l	99
8) Diethyl Ether	3.593	74	13891	20.365	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.957	101	29538	20.466	ug/l	99
10) Methyl Iodide	4.163	142	27919	26.123	ug/l	98
11) Tert butyl alcohol	5.075	59	9819	114.459	ug/l	100
12) 1,1-Dichloroethene	3.934	96	27715	20.272	ug/l	86
13) Acrolein	3.799	56	15905	98.330	ug/l	97
14) Allyl chloride	4.557	41	41598	19.743	ug/l	99
15) Acrylonitrile	5.257	53	31932	97.439	ug/l	92
16) Acetone	4.028	43	25821	103.165	ug/l	95
17) Carbon Disulfide	4.269	76	83050	16.843	ug/l	97
18) Methyl Acetate	4.575	43	18562	21.979	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	60195	19.999	ug/l #	88
20) Methylene Chloride	4.804	84	33844	19.926	ug/l	87
21) trans-1,2-Dichloroethene	5.310	96	28319	18.233	ug/l	95
22) Diisopropyl ether	6.216	45	90123	20.554	ug/l	95
23) Vinyl Acetate	6.163	43	259155	102.373	ug/l	100
24) 1,1-Dichloroethane	6.110	63	58956	20.511	ug/l	95
25) 2-Butanone	7.087	43	40415	104.104	ug/l	97
26) 2,2-Dichloropropane	7.075	77	48852	19.595	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	33599	19.148	ug/l	98
28) Bromochloromethane	7.428	49	26152	19.937	ug/l #	98
29) Tetrahydrofuran	7.445	42	25073	98.607	ug/l	97
30) Chloroform	7.592	83	60658	20.641	ug/l	100
31) Cyclohexane	7.881	56	42684	18.550	ug/l	88
32) 1,1,1-Trichloroethane	7.792	97	49109	19.974	ug/l	98
36) 1,1-Dichloropropene	8.010	75	39859	20.015	ug/l	97
37) Ethyl Acetate	7.175	43	19560	20.030	ug/l #	93
38) Carbon Tetrachloride	7.992	117	41865	20.127	ug/l	93
39) Methylcyclohexane	9.275	83	40019	18.497	ug/l	93
40) Benzene	8.251	78	122459	19.618	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	9584	17.830	ug/l	91
42) 1,2-Dichloroethane	8.328	62	37260	20.976	ug/l	95
43) Isopropyl Acetate	8.369	43	36807	21.238	ug/l #	84
44) Trichloroethene	9.028	130	29120	20.194	ug/l	97
45) 1,2-Dichloropropane	9.304	63	31996	20.379	ug/l	89
46) Dibromomethane	9.392	93	17923	20.490	ug/l	99
47) Bromodichloromethane	9.586	83	46129	20.912	ug/l	99
48) Methyl methacrylate	9.381	41	15630	19.489	ug/l	96
49) 1,4-Dioxane	9.381	88	3766	395.762	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	94646	108.002	ug/l	99
52) Toluene	10.333	92	75120	20.574	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	39369	20.936	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	46287	20.236	ug/l	94
55) 1,1,2-Trichloroethane	10.733	97	24410	21.477	ug/l	97
56) Ethyl methacrylate	10.598	69	27323	21.069	ug/l	100
57) 1,3-Dichloropropane	10.880	76	39092	20.795	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	55923	101.033	ug/l	99
59) 2-Hexanone	10.922	43	63218	109.934	ug/l	94
60) Dibromochloromethane	11.075	129	30563	21.816	ug/l	95
61) 1,2-Dibromoethane	11.180	107	22273	21.517	ug/l	100
64) Tetrachloroethene	10.810	164	24955	19.202	ug/l	93
65) Chlorobenzene	11.604	112	85722	20.102	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.680	131	30372	20.359	ug/l	99
67) Ethyl Benzene	11.680	91	134523	18.963	ug/l	98
68) m/p-Xylenes	11.792	106	108865	39.530	ug/l	98
69) o-Xylene	12.122	106	47802	19.034	ug/l	99
70) Styrene	12.133	104	87304	19.530	ug/l	99
71) Bromoform	12.298	173	17917	20.373	ug/l #	98
73) Isopropylbenzene	12.422	105	124121	17.718	ug/l	99
74) N-amyl acetate	12.233	43	36151	19.632	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	29714	20.384	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	16755m	15.994	ug/l	
77) Bromobenzene	12.704	156	33271	18.413	ug/l	95
78) n-propylbenzene	12.763	91	165782	18.588	ug/l	100
79) 2-Chlorotoluene	12.851	91	94789	18.707	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	109319	18.660	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	10072	19.660	ug/l	89
82) 4-Chlorotoluene	12.945	91	106032	19.692	ug/l	100
83) tert-Butylbenzene	13.169	119	91927	19.194	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	116075	19.465	ug/l	99
85) sec-Butylbenzene	13.345	105	140073	19.128	ug/l	99
86) p-Isopropyltoluene	13.463	119	120079	19.204	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	71344	20.046	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	72373	20.092	ug/l	100
89) n-Butylbenzene	13.786	91	114561	18.854	ug/l	97
90) Hexachloroethane	14.051	117	27271	19.624	ug/l	98
91) 1,2-Dichlorobenzene	13.827	146	62268	19.856	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5119	22.072	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	38206	19.113	ug/l	97
94) Hexachlorobutadiene	15.204	225	19893	18.375	ug/l	98
95) Naphthalene	15.333	128	65394	20.808	ug/l	98
96) 1,2,3-Trichlorobenzene	15.521	180	31792	17.623	ug/l	93

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

