

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020625\
 Data File : VD080248.D
 Acq On : 06 Feb 2025 13:38
 Operator : RP/MD
 Sample : VD0206SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

Quant Time: Feb 07 00:27:21 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	109108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	182511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	173389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	94980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	74435	52.446	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.900%			
35) Dibromofluoromethane	7.805	113	70929	54.834	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.660%			
50) Toluene-d8	10.269	98	269211	56.122	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.240%			
62) 4-Bromofluorobenzene	12.575	95	85397	55.484	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	29746	25.543	ug/l	100
3) Chloromethane	2.152	50	48659	21.409	ug/l	96
4) Vinyl Chloride	2.281	62	57997	21.093	ug/l	96
5) Bromomethane	2.687	94	41496	21.929	ug/l	99
6) Chloroethane	2.834	64	39943	21.810	ug/l	93
7) Trichlorofluoromethane	3.170	101	49708	21.815	ug/l	98
8) Diethyl Ether	3.593	74	13035	20.911	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.964	101	29843	22.625	ug/l	99
10) Methyl Iodide	4.169	142	29632	29.463	ug/l	98
11) Tert butyl alcohol	5.064	59	8089	103.177	ug/l	98
12) 1,1-Dichloroethene	3.940	96	26928	21.552	ug/l	95
13) Acrolein	3.799	56	14084	95.277	ug/l	98
14) Allyl chloride	4.564	41	41292	21.445	ug/l	99
15) Acrylonitrile	5.258	53	31727	105.936	ug/l	99
16) Acetone	4.028	43	24665	107.832	ug/l	94
17) Carbon Disulfide	4.269	76	87541	19.426	ug/l	97
18) Methyl Acetate	4.569	43	15976	20.700	ug/l #	77
19) Methyl tert-butyl Ether	5.328	73	57105	20.760	ug/l	93
20) Methylene Chloride	4.805	84	33699	21.710	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	29297	20.640	ug/l	96
22) Diisopropyl ether	6.222	45	90494	22.583	ug/l	94
23) Vinyl Acetate	6.158	43	240598	103.998	ug/l	99
24) 1,1-Dichloroethane	6.111	63	57282	21.806	ug/l	99
25) 2-Butanone	7.087	43	37108	104.592	ug/l	96
26) 2,2-Dichloropropane	7.075	77	46479	20.400	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	33970	21.184	ug/l	97
28) Bromochloromethane	7.428	49	25723	21.458	ug/l #	94
29) Tetrahydrofuran	7.458	42	23126	99.520	ug/l	99
30) Chloroform	7.599	83	61627	22.947	ug/l	95
31) Cyclohexane	7.881	56	41613	19.789	ug/l	93
32) 1,1,1-Trichloroethane	7.799	97	49596	22.073	ug/l	99
36) 1,1-Dichloropropene	8.010	75	38627	20.849	ug/l	98
37) Ethyl Acetate	7.175	43	17131	18.857	ug/l #	89
38) Carbon Tetrachloride	7.993	117	41302	21.343	ug/l	98
39) Methylcyclohexane	9.275	83	38499	19.127	ug/l	95
40) Benzene	8.252	78	123048	21.189	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	8401	16.800	ug/l #	77
42) 1,2-Dichloroethane	8.328	62	36439	22.050	ug/l	100
43) Isopropyl Acetate	8.363	43	33619	20.851	ug/l #	87
44) Trichloroethene	9.028	130	28733	21.417	ug/l	94
45) 1,2-Dichloropropane	9.310	63	31150	21.326	ug/l	98
46) Dibromomethane	9.393	93	17366	21.339	ug/l	97
47) Bromodichloromethane	9.587	83	45999	22.414	ug/l	99
48) Methyl methacrylate	9.381	41	16001	21.446	ug/l	94
49) 1,4-Dioxane	9.387	88	3692	417.034	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	88845	108.973	ug/l	99
52) Toluene	10.334	92	74987	22.076	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	39486	22.570	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	44986	21.140	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	23726	22.438	ug/l	95
56) Ethyl methacrylate	10.599	69	25694	21.296	ug/l	98
57) 1,3-Dichloropropane	10.881	76	39257	22.446	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	51743	100.480	ug/l	98
59) 2-Hexanone	10.922	43	56589	105.774	ug/l	97
60) Dibromochloromethane	11.069	129	29477	22.616	ug/l	94
61) 1,2-Dibromoethane	11.181	107	21781	22.618	ug/l	96
64) Tetrachloroethene	10.810	164	25535	21.082	ug/l	98
65) Chlorobenzene	11.610	112	83688	21.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	29499	21.217	ug/l	96
67) Ethyl Benzene	11.681	91	132230	20.000	ug/l	100
68) m/p-Xylenes	11.793	106	105397	41.063	ug/l	100
69) o-Xylene	12.122	106	47707	20.382	ug/l	97
70) Styrene	12.134	104	87401	20.978	ug/l	99
71) Bromoform	12.298	173	17229	21.021	ug/l #	97
73) Isopropylbenzene	12.422	105	124900	19.442	ug/l	99
74) N-amyl acetate	12.234	43	33728	19.972	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	27747	20.756	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	19297m	20.086	ug/l	
77) Bromobenzene	12.698	156	33692	20.332	ug/l	99
78) n-propylbenzene	12.763	91	167200	20.441	ug/l	99
79) 2-Chlorotoluene	12.851	91	95959	20.650	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	110947	20.650	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	9418	20.045	ug/l	94
82) 4-Chlorotoluene	12.945	91	105035	21.270	ug/l	98
83) tert-Butylbenzene	13.169	119	92030	20.952	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	112298	20.535	ug/l	100
85) sec-Butylbenzene	13.345	105	139731	20.806	ug/l	97
86) p-Isopropyltoluene	13.463	119	118187	20.610	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	69992	21.444	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	70220	21.256	ug/l	99
89) n-Butylbenzene	13.787	91	112538	20.195	ug/l	99
90) Hexachloroethane	14.057	117	26328	20.658	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	60844	21.156	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4157	19.545	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	36292	19.797	ug/l	98
94) Hexachlorobutadiene	15.204	225	19785	19.927	ug/l	99
95) Naphthalene	15.334	128	60067	20.839	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	31955	19.315	ug/l	97

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

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