

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020625\
 Data File : VD080249.D
 Acq On : 06 Feb 2025 14:29
 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 00:28:15 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	109185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	182133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	168245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92368	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	70279	49.483	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.960%
35) Dibromofluoromethane	7.805	113	63862	49.473	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.940%
50) Toluene-d8	10.269	98	245611	51.309	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.620%
62) 4-Bromofluorobenzene	12.575	95	77954	50.753	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.940	85	29396	25.178	ug/l	97
3) Chloromethane	2.158	50	46643	20.507	ug/l	97
4) Vinyl Chloride	2.287	62	55954	20.335	ug/l	93
5) Bromomethane	2.687	94	40269	20.983	ug/l	98
6) Chloroethane	2.834	64	37466	20.443	ug/l	95
7) Trichlorofluoromethane	3.169	101	48244	21.157	ug/l	97
8) Diethyl Ether	3.599	74	12814	20.542	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.964	101	29364	22.246	ug/l	97
10) Methyl Iodide	4.169	142	25317	25.946	ug/l	98
11) Tert butyl alcohol	5.063	59	7272	92.691	ug/l #	86
12) 1,1-Dichloroethene	3.940	96	27012	21.604	ug/l	92
13) Acrolein	3.793	56	13195	89.200	ug/l	97
14) Allyl chloride	4.564	41	40270	20.899	ug/l	99
15) Acrylonitrile	5.252	53	28994	96.742	ug/l	98
16) Acetone	4.022	43	24490	106.991	ug/l #	82
17) Carbon Disulfide	4.269	76	84983	18.845	ug/l	98
18) Methyl Acetate	4.569	43	15625	20.231	ug/l	98
19) Methyl tert-butyl Ether	5.322	73	52711	19.149	ug/l	97
20) Methylene Chloride	4.805	84	32390	20.852	ug/l	97
21) trans-1,2-Dichloroethene	5.316	96	28977	20.400	ug/l	97
22) Diisopropyl ether	6.216	45	85226	21.253	ug/l	98
23) Vinyl Acetate	6.158	43	227369	98.211	ug/l	99
24) 1,1-Dichloroethane	6.111	63	55427	21.085	ug/l	97
25) 2-Butanone	7.087	43	35549	100.128	ug/l	100
26) 2,2-Dichloropropane	7.069	77	46711	20.487	ug/l	98
27) cis-1,2-Dichloroethene	7.093	96	31566	19.671	ug/l	98
28) Bromochloromethane	7.422	49	24295	20.253	ug/l	95
29) Tetrahydrofuran	7.452	42	20676	88.914	ug/l	96
30) Chloroform	7.593	83	57479	21.387	ug/l	95
31) Cyclohexane	7.887	56	41180	19.569	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	47153	20.971	ug/l	100
36) 1,1-Dichloropropene	8.010	75	38087	20.600	ug/l	97
37) Ethyl Acetate	7.175	43	16028	17.679	ug/l #	94
38) Carbon Tetrachloride	7.993	117	40084	20.756	ug/l	96
39) Methylcyclohexane	9.275	83	38772	19.303	ug/l	97
40) Benzene	8.252	78	114712	19.794	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	9172	18.379	ug/l	97
42) 1,2-Dichloroethane	8.328	62	32935	19.971	ug/l	97
43) Isopropyl Acetate	8.363	43	31929	19.844	ug/l #	84
44) Trichloroethene	9.028	130	28871	21.565	ug/l	97
45) 1,2-Dichloropropane	9.304	63	30826	21.148	ug/l	99
46) Dibromomethane	9.399	93	16154	19.891	ug/l	95
47) Bromodichloromethane	9.587	83	43179	21.084	ug/l	98
48) Methyl methacrylate	9.381	41	13562	18.214	ug/l	95
49) 1,4-Dioxane	9.393	88	3766	426.276	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	82164	100.988	ug/l	98
52) Toluene	10.334	92	71398	21.063	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	36376	20.836	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	43602	20.532	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	22150	20.991	ug/l #	87
56) Ethyl methacrylate	10.599	69	24242	20.134	ug/l	98
57) 1,3-Dichloropropane	10.881	76	36418	20.866	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	43866	85.360	ug/l	95
59) 2-Hexanone	10.922	43	54512	102.104	ug/l	95
60) Dibromochloromethane	11.075	129	27665	21.270	ug/l	99
61) 1,2-Dibromoethane	11.181	107	20028	20.840	ug/l	95
64) Tetrachloroethene	10.810	164	24429	20.785	ug/l	93
65) Chlorobenzene	11.610	112	77571	20.114	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	26839	19.894	ug/l	96
67) Ethyl Benzene	11.687	91	126195	19.671	ug/l	100
68) m/p-Xylenes	11.793	106	99722	40.040	ug/l	100
69) o-Xylene	12.122	106	44344	19.525	ug/l	96
70) Styrene	12.140	104	80981	20.031	ug/l	99
71) Bromoform	12.298	173	15951	20.056	ug/l #	97
73) Isopropylbenzene	12.422	105	118146	18.910	ug/l	99
74) N-amyl acetate	12.234	43	30794	18.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	27088	20.836	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	17941m	19.203	ug/l	
77) Bromobenzene	12.698	156	31948	19.824	ug/l	97
78) n-propylbenzene	12.763	91	155947	19.605	ug/l	100
79) 2-Chlorotoluene	12.851	91	89501	19.805	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	106534	20.389	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	8830	19.325	ug/l	92
82) 4-Chlorotoluene	12.945	91	99874	20.797	ug/l	99
83) tert-Butylbenzene	13.169	119	85563	20.031	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	106577	20.040	ug/l	98
85) sec-Butylbenzene	13.345	105	138084	21.142	ug/l	99
86) p-Isopropyltoluene	13.463	119	112856	20.237	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	65871	20.752	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	65633	20.430	ug/l	98
89) n-Butylbenzene	13.787	91	109715	20.245	ug/l	98
90) Hexachloroethane	14.057	117	25897	20.894	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	57707	20.633	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4151	20.069	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	33888	19.008	ug/l	98
94) Hexachlorobutadiene	15.204	225	19801	20.507	ug/l	97
95) Naphthalene	15.334	128	57550	20.546	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	30519	18.969	ug/l	98

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

