

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080319.D
 Acq On : 14 May 2025 13:29
 Operator : RP/MD
 Sample : VD0514SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
 Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:33:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	107481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	177282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	170015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	97541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	67259	48.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.780%		
35) Dibromofluoromethane	7.800	113	62017	52.194	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.380%		
50) Toluene-d8	10.270	98	238107	50.859	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.720%		
62) 4-Bromofluorobenzene	12.570	95	74436	49.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	27472	26.254	ug/l	96
3) Chloromethane	2.153	50	41778	19.600	ug/l	91
4) Vinyl Chloride	2.282	62	55671	19.924	ug/l	98
5) Bromomethane	2.676	94	41154	20.461	ug/l	99
6) Chloroethane	2.829	64	40486	20.493	ug/l	96
7) Trichlorofluoromethane	3.165	101	46677	21.786	ug/l	92
8) Diethyl Ether	3.594	74	12845	19.422	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.965	101	28366	21.488	ug/l	96
10) Methyl Iodide	4.159	142	26930	20.012	ug/l	97
11) Tert butyl alcohol	5.059	59	7831	92.849	ug/l #	85
12) 1,1-Dichloroethene	3.935	96	24417	18.762	ug/l	97
13) Acrolein	3.794	56	8182	55.136	ug/l	98
14) Allyl chloride	4.559	41	36801	17.980	ug/l	98
15) Acrylonitrile	5.259	53	28853	90.745	ug/l	97
16) Acetone	4.023	43	21334	89.429	ug/l	96
17) Carbon Disulfide	4.265	76	89197	19.737	ug/l	97
18) Methyl Acetate	4.564	43	16569	18.423	ug/l	99
19) Methyl tert-butyl Ether	5.312	73	53626	18.756	ug/l	100
20) Methylene Chloride	4.794	84	34732	21.194	ug/l	97
21) trans-1,2-Dichloroethene	5.306	96	28134	19.899	ug/l	97
22) Diisopropyl ether	6.211	45	79835	18.935	ug/l #	92
23) Vinyl Acetate	6.159	43	217491	88.567	ug/l	96
24) 1,1-Dichloroethane	6.106	63	53309	20.093	ug/l	99
25) 2-Butanone	7.088	43	34209	89.452	ug/l #	84
26) 2,2-Dichloropropane	7.070	77	40770	19.311	ug/l	98
27) cis-1,2-Dichloroethene	7.076	96	31080	19.841	ug/l	98
28) Bromochloromethane	7.429	49	22901	18.538	ug/l	93
29) Tetrahydrofuran	7.447	42	21330	85.543	ug/l	98
30) Chloroform	7.594	83	55010	20.791	ug/l	92
31) Cyclohexane	7.876	56	39699	17.581	ug/l	96
32) 1,1,1-Trichloroethane	7.788	97	45775	21.206	ug/l	97
36) 1,1-Dichloropropene	8.011	75	35667	20.085	ug/l	96
37) Ethyl Acetate	7.170	43	17001	18.308	ug/l #	75
38) Carbon Tetrachloride	7.988	117	40179	21.695	ug/l	97
39) Methylcyclohexane	9.276	83	40065	19.443	ug/l	85
40) Benzene	8.253	78	113402	20.381	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	7757	15.095	ug/l #	88
42) 1,2-Dichloroethane	8.323	62	32908	20.410	ug/l	97
43) Isopropyl Acetate	8.358	43	31415	18.657	ug/l	98
44) Trichloroethene	9.023	130	26968	20.879	ug/l	91
45) 1,2-Dichloropropane	9.305	63	28878	20.236	ug/l	99
46) Dibromomethane	9.400	93	17384	22.375	ug/l	93
47) Bromodichloromethane	9.582	83	40727	20.652	ug/l	96
48) Methyl methacrylate	9.382	41	14320	17.898	ug/l	95
49) 1,4-Dioxane	9.388	88	3208	347.288	ug/l #	81
51) 4-Methyl-2-Pentanone	10.158	43	83049	95.722	ug/l	95
52) Toluene	10.329	92	69381	20.698	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	36477	20.290	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	41897	20.111	ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	21733	21.147	ug/l	93
56) Ethyl methacrylate	10.599	69	23476	18.851	ug/l	94
57) 1,3-Dichloropropane	10.876	76	35143	20.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	48087	94.353	ug/l	100
59) 2-Hexanone	10.923	43	54364	91.088	ug/l	95
60) Dibromochloromethane	11.070	129	28525	22.148	ug/l	97
61) 1,2-Dibromoethane	11.176	107	20360	21.364	ug/l	99
64) Tetrachloroethene	10.811	164	23412	20.335	ug/l	96
65) Chlorobenzene	11.605	112	75933	19.780	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.682	131	28484	21.597	ug/l	94
67) Ethyl Benzene	11.682	91	122591	19.109	ug/l	99
68) m/p-Xylenes	11.794	106	98831	39.676	ug/l	99
69) o-Xylene	12.123	106	43731	19.212	ug/l	95
70) Styrene	12.135	104	81912	20.041	ug/l	99
71) Bromoform	12.294	173	16491	21.045	ug/l #	95
73) Isopropylbenzene	12.417	105	112106	17.718	ug/l	99
74) N-amyl acetate	12.229	43	30586	16.843	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.670	83	27288	19.612	ug/l	96
76) 1,2,3-Trichloropropane	12.717	75	16216m	17.225	ug/l	
77) Bromobenzene	12.699	156	31996	19.495	ug/l	99
78) n-propylbenzene	12.758	91	146938	18.505	ug/l	99
79) 2-Chlorotoluene	12.846	91	85532	18.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	100614	18.644	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	9608	19.373	ug/l	96
82) 4-Chlorotoluene	12.946	91	96999	19.456	ug/l	99
83) tert-Butylbenzene	13.164	119	80789	17.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	102548	18.572	ug/l	99
85) sec-Butylbenzene	13.341	105	127008	18.289	ug/l	99
86) p-Isopropyltoluene	13.458	119	103447	17.724	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	63836	18.650	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	64159	18.594	ug/l	98
89) n-Butylbenzene	13.782	91	100066	17.661	ug/l	99
90) Hexachloroethane	14.052	117	25240	19.544	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	58430	19.652	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3998	18.029	ug/l	99
93) 1,2,4-Trichlorobenzene	15.099	180	32872	17.580	ug/l	98
94) Hexachlorobutadiene	15.199	225	18668	19.190	ug/l	100
95) Naphthalene	15.329	128	59175	16.854	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	30749	18.386	ug/l	97

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

