

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080341.D
 Acq On : 15 May 2025 11:48
 Operator : RP/MD
 Sample : VD0515SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 02:53:48 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	109411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	182255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	166653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	89680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	70540	49.856	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.720%		
35) Dibromofluoromethane	7.805	113	65342	53.492	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.980%		
50) Toluene-d8	10.270	98	243611	50.615	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.240%		
62) 4-Bromofluorobenzene	12.570	95	77403	50.105	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	28165	26.489	ug/l	97
3) Chloromethane	2.153	50	41801	19.171	ug/l	99
4) Vinyl Chloride	2.288	62	47601	16.735	ug/l	99
5) Bromomethane	2.694	94	34546	16.873	ug/l	96
6) Chloroethane	2.841	64	34338	17.074	ug/l	100
7) Trichlorofluoromethane	3.176	101	46811	21.463	ug/l	94
8) Diethyl Ether	3.594	74	14137	20.998	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.970	101	28789	21.424	ug/l	98
10) Methyl Iodide	4.164	142	29092	21.238	ug/l	99
11) Tert butyl alcohol	5.064	59	8704	101.379	ug/l #	82
12) 1,1-Dichloroethene	3.941	96	26426	19.947	ug/l	96
13) Acrolein	3.794	56	8159	54.011	ug/l	95
14) Allyl chloride	4.564	41	38002	18.239	ug/l	95
15) Acrylonitrile	5.253	53	30767	95.057	ug/l	98
16) Acetone	4.017	43	24913	105.595	ug/l	95
17) Carbon Disulfide	4.270	76	90654	19.706	ug/l	99
18) Methyl Acetate	4.564	43	18445	20.147	ug/l	99
19) Methyl tert-butyl Ether	5.323	73	58704	20.170	ug/l	99
20) Methylene Chloride	4.805	84	34767	20.772	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	29298	20.357	ug/l	93
22) Diisopropyl ether	6.217	45	87348	20.351	ug/l	98
23) Vinyl Acetate	6.158	43	234552	93.830	ug/l	95
24) 1,1-Dichloroethane	6.111	63	55404	20.514	ug/l	95
25) 2-Butanone	7.082	43	37792	97.078	ug/l	95
26) 2,2-Dichloropropane	7.070	77	42618	19.831	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	32431	20.339	ug/l	96
28) Bromochloromethane	7.429	49	25133	19.986	ug/l	91
29) Tetrahydrofuran	7.447	42	22457	88.474	ug/l	97
30) Chloroform	7.599	83	54858	20.368	ug/l	98
31) Cyclohexane	7.882	56	42696	18.575	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	46117	20.988	ug/l	97
36) 1,1-Dichloropropene	8.011	75	36645	20.072	ug/l	99
37) Ethyl Acetate	7.176	43	17925	18.777	ug/l #	93
38) Carbon Tetrachloride	7.994	117	39026	20.498	ug/l	98
39) Methylcyclohexane	9.276	83	39915	18.842	ug/l	94
40) Benzene	8.252	78	114946	20.095	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	10766m	20.379	ug/l	
42) 1,2-Dichloroethane	8.329	62	32530	19.625	ug/l	99
43) Isopropyl Acetate	8.364	43	33940	19.606	ug/l	98
44) Trichloroethene	9.029	130	27296	20.556	ug/l	96
45) 1,2-Dichloropropane	9.305	63	29961	20.422	ug/l	92
46) Dibromomethane	9.393	93	16529	20.694	ug/l	98
47) Bromodichloromethane	9.582	83	41482	20.461	ug/l	97
48) Methyl methacrylate	9.382	41	15266	18.560	ug/l	99
49) 1,4-Dioxane	9.388	88	3387	356.661	ug/l	90
51) 4-Methyl-2-Pentanone	10.158	43	84541	94.783	ug/l	98
52) Toluene	10.335	92	71143	20.644	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	37091	20.068	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	42326	19.762	ug/l	95
55) 1,1,2-Trichloroethane	10.735	97	22283	21.090	ug/l	94
56) Ethyl methacrylate	10.593	69	23746	18.548	ug/l #	88
57) 1,3-Dichloropropane	10.876	76	35887	20.437	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	50928	97.201	ug/l	99
59) 2-Hexanone	10.923	43	54779	89.279	ug/l	98
60) Dibromochloromethane	11.076	129	28291	21.367	ug/l	99
61) 1,2-Dibromoethane	11.176	107	20461	20.885	ug/l	98
64) Tetrachloroethene	10.805	164	22696	20.111	ug/l	98
65) Chlorobenzene	11.605	112	76223	20.256	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.676	131	27472	21.250	ug/l	96
67) Ethyl Benzene	11.682	91	122459	19.474	ug/l	94
68) m/p-Xylenes	11.793	106	98802	40.465	ug/l	99
69) o-Xylene	12.117	106	43911	19.681	ug/l	97
70) Styrene	12.135	104	79347	19.805	ug/l	99
71) Bromoform	12.299	173	16103	20.965	ug/l #	98
73) Isopropylbenzene	12.423	105	112034	19.258	ug/l	99
74) N-amyl acetate	12.235	43	30362	18.185	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.670	83	25406	19.860	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	16953m	19.587	ug/l	
77) Bromobenzene	12.699	156	30360	20.120	ug/l	96
78) n-propylbenzene	12.764	91	144282	19.764	ug/l	99
79) 2-Chlorotoluene	12.846	91	85825	20.211	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	97417	19.634	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.470	75	9288	20.369	ug/l	98
82) 4-Chlorotoluene	12.946	91	93479	20.393	ug/l	99
83) tert-Butylbenzene	13.164	119	79902	19.298	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	100380	19.773	ug/l	99
85) sec-Butylbenzene	13.340	105	125273	19.620	ug/l	100
86) p-Isopropyltoluene	13.458	119	103450	19.278	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	61914	19.674	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	62973	19.850	ug/l	97
89) n-Butylbenzene	13.781	91	98011	18.815	ug/l	100
90) Hexachloroethane	14.052	117	24544	20.671	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	56054	20.505	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4120	20.207	ug/l	95
93) 1,2,4-Trichlorobenzene	15.099	180	33614	19.552	ug/l	99
94) Hexachlorobutadiene	15.199	225	16931	18.930	ug/l	97
95) Naphthalene	15.328	128	58113	18.002	ug/l	98
96) 1,2,3-Trichlorobenzene	15.523	180	28988	18.853	ug/l	99

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

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