

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080301.D
 Acq On : 13 May 2025 14:43
 Operator : RP/MD
 Sample : VD0513SBS01
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025
 Supervised By :Semsettin Yesilyurt 05/14/2025

Quant Time: May 14 01:33:10 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	100007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	170350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	164310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	94426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.223	65	67954	52.545	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.080%			
35) Dibromofluoromethane	7.800	113	62831	55.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.060%			
50) Toluene-d8	10.264	98	238735	53.068	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.140%			
62) 4-Bromofluorobenzene	12.570	95	75563	52.332	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	25050	25.593	ug/l	98
3) Chloromethane	2.153	50	45192	23.684	ug/l	91
4) Vinyl Chloride	2.276	62	58224	22.395	ug/l	92
5) Bromomethane	2.676	94	48026	25.663	ug/l	99
6) Chloroethane	2.823	64	42994	23.389	ug/l	94
7) Trichlorofluoromethane	3.164	101	44342	22.243	ug/l	99
8) Diethyl Ether	3.594	74	13128	21.333	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.959	101	25928	21.109	ug/l	98
10) Methyl Iodide	4.159	142	16424	13.117	ug/l	98
11) Tert butyl alcohol	5.070	59	7586	96.666	ug/l	98
12) 1,1-Dichloroethene	3.935	96	24869	20.537	ug/l	97
13) Acrolein	3.794	56	9082	65.774	ug/l	99
14) Allyl chloride	4.553	41	35527	18.655	ug/l	96
15) Acrylonitrile	5.258	53	28319	95.721	ug/l #	87
16) Acetone	4.029	43	21817	100.322	ug/l	96
17) Carbon Disulfide	4.259	76	86145	20.486	ug/l	99
18) Methyl Acetate	4.564	43	17928	21.424	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	52622	19.781	ug/l	100
20) Methylene Chloride	4.794	84	31787	20.778	ug/l	90
21) trans-1,2-Dichloroethene	5.306	96	26082	19.826	ug/l	92
22) Diisopropyl ether	6.211	45	79913	20.370	ug/l	91
23) Vinyl Acetate	6.158	43	217469	95.177	ug/l	98
24) 1,1-Dichloroethane	6.106	63	51752	20.964	ug/l	98
25) 2-Butanone	7.088	43	33917	95.317	ug/l	98
26) 2,2-Dichloropropane	7.070	77	38290	19.492	ug/l	100
27) cis-1,2-Dichloroethene	7.082	96	28399	19.485	ug/l	92
28) Bromochloromethane	7.423	49	24252	21.099	ug/l	90
29) Tetrahydrofuran	7.447	42	23398	100.849	ug/l	96
30) Chloroform	7.594	83	53189	21.606	ug/l	88
31) Cyclohexane	7.876	56	39648	18.870	ug/l	95
32) 1,1,1-Trichloroethane	7.794	97	43228	21.523	ug/l	97
36) 1,1-Dichloropropene	8.005	75	34453	20.191	ug/l	98
37) Ethyl Acetate	7.170	43	16248	18.209	ug/l #	89
38) Carbon Tetrachloride	7.988	117	39006	21.919	ug/l	91
39) Methylcyclohexane	9.270	83	36634	18.501	ug/l	99
40) Benzene	8.247	78	112566	21.054	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	7859	15.916	ug/l #	90
42) 1,2-Dichloroethane	8.323	62	32525	20.994	ug/l	99
43) Isopropyl Acetate	8.358	43	31487	19.460	ug/l #	84
44) Trichloroethene	9.023	130	25182	20.290	ug/l	95
45) 1,2-Dichloropropane	9.305	63	28829	21.024	ug/l	98
46) Dibromomethane	9.394	93	16862	22.586	ug/l	95
47) Bromodichloromethane	9.582	83	41854	22.087	ug/l	95
48) Methyl methacrylate	9.382	41	13738	17.870	ug/l	94
49) 1,4-Dioxane	9.388	88	3924	442.086	ug/l #	88
51) 4-Methyl-2-Pentanone	10.158	43	81992	98.349	ug/l	96
52) Toluene	10.335	92	68340	21.217	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	34922	20.215	ug/l	95
54) cis-1,3-Dichloropropene	10.011	75	40121	20.042	ug/l	92
55) 1,1,2-Trichloroethane	10.729	97	21227	21.495	ug/l	96
56) Ethyl methacrylate	10.599	69	23095	19.300	ug/l	91
57) 1,3-Dichloropropane	10.876	76	35465	21.608	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	46056	94.046	ug/l	99
59) 2-Hexanone	10.917	43	56210	98.014	ug/l	91
60) Dibromochloromethane	11.070	129	28194	22.782	ug/l	97
61) 1,2-Dibromoethane	11.176	107	20225	22.086	ug/l	98
64) Tetrachloroethene	10.805	164	22971	20.645	ug/l	97
65) Chlorobenzene	11.605	112	75092	20.240	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.676	131	26526	20.811	ug/l	99
67) Ethyl Benzene	11.682	91	117946	19.024	ug/l	99
68) m/p-Xylenes	11.793	106	97214	40.382	ug/l	97
69) o-Xylene	12.117	106	42504	19.322	ug/l	94
70) Styrene	12.135	104	77376	19.589	ug/l	99
71) Bromoform	12.299	173	15891	20.984	ug/l #	99
73) Isopropylbenzene	12.417	105	108901	17.779	ug/l	99
74) N-amyl acetate	12.229	43	30662	17.441	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.670	83	27173	20.173	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	15725m	17.255	ug/l	
77) Bromobenzene	12.699	156	30659	19.297	ug/l	97
78) n-propylbenzene	12.758	91	139929	18.204	ug/l	99
79) 2-Chlorotoluene	12.846	91	85305	19.079	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	96721	18.514	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.470	75	8733	18.189	ug/l	92
82) 4-Chlorotoluene	12.946	91	91879	19.037	ug/l	99
83) tert-Butylbenzene	13.164	119	76403	17.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	100585	18.817	ug/l	100
85) sec-Butylbenzene	13.340	105	121223	18.031	ug/l	99
86) p-Isopropyltoluene	13.458	119	102003	18.053	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	62805	18.955	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	63118	18.895	ug/l	98
89) n-Butylbenzene	13.787	91	94254	17.184	ug/l	98
90) Hexachloroethane	14.046	117	23321	18.654	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	55756	19.371	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3761	17.519	ug/l	94
93) 1,2,4-Trichlorobenzene	15.093	180	30798	17.014	ug/l	98
94) Hexachlorobutadiene	15.199	225	17461	18.541	ug/l	100
95) Naphthalene	15.329	128	57517	16.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	29464	18.199	ug/l	99

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

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