

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080340.D
 Acq On : 15 May 2025 11:21
 Operator : RP/MD
 Sample : VD0515SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 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 02:52:38 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	109219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	183688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	168466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	91911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	71465	50.599	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.200%			
35) Dibromofluoromethane	7.811	113	67741	55.023	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.040%			
50) Toluene-d8	10.270	98	256751	52.929	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.860%			
62) 4-Bromofluorobenzene	12.570	95	80503	51.705	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	26238	24.269	ug/l	96
3) Chloromethane	2.153	50	41198	18.857	ug/l	100
4) Vinyl Chloride	2.288	62	45996	16.199	ug/l	96
5) Bromomethane	2.694	94	34592	16.925	ug/l	96
6) Chloroethane	2.841	64	32977	16.426	ug/l	96
7) Trichlorofluoromethane	3.176	101	46954	21.567	ug/l	98
8) Diethyl Ether	3.600	74	14096	20.974	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.970	101	28204	21.025	ug/l	96
10) Methyl Iodide	4.164	142	28130	20.572	ug/l	99
11) Tert butyl alcohol	5.064	59	7150	83.426	ug/l	98
12) 1,1-Dichloroethene	3.941	96	26630	20.136	ug/l	97
13) Acrolein	3.794	56	7389	49.000	ug/l	87
14) Allyl chloride	4.564	41	38768	18.639	ug/l	97
15) Acrylonitrile	5.252	53	28018	86.716	ug/l	92
16) Acetone	4.023	43	22960	95.931	ug/l	100
17) Carbon Disulfide	4.270	76	91264	19.873	ug/l #	94
18) Methyl Acetate	4.564	43	18115	19.821	ug/l	99
19) Methyl tert-butyl Ether	5.323	73	56675	19.507	ug/l	98
20) Methylene Chloride	4.805	84	34008	20.271	ug/l	90
21) trans-1,2-Dichloroethene	5.317	96	29115	20.265	ug/l	92
22) Diisopropyl ether	6.217	45	83688	19.533	ug/l	91
23) Vinyl Acetate	6.158	43	232897	93.332	ug/l	95
24) 1,1-Dichloroethane	6.111	63	55319	20.518	ug/l	99
25) 2-Butanone	7.088	43	34951	89.938	ug/l	92
26) 2,2-Dichloropropane	7.070	77	40922	19.075	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	31152	19.571	ug/l	93
28) Bromochloromethane	7.429	49	24416	19.450	ug/l	91
29) Tetrahydrofuran	7.452	42	22800	89.983	ug/l	99
30) Chloroform	7.594	83	55822	20.763	ug/l	95
31) Cyclohexane	7.882	56	42938	18.713	ug/l	96
32) 1,1,1-Trichloroethane	7.799	97	46106	21.019	ug/l	98
36) 1,1-Dichloropropene	8.011	75	37631	20.452	ug/l	98
37) Ethyl Acetate	7.170	43	17935m	18.641	ug/l	
38) Carbon Tetrachloride	7.994	117	39310	20.486	ug/l	97
39) Methylcyclohexane	9.276	83	40835	19.126	ug/l #	90
40) Benzene	8.252	78	119426	20.715	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.417	41	10762m	20.212	ug/l	
42) 1,2-Dichloroethane	8.329	62	34210	20.478	ug/l	99
43) Isopropyl Acetate	8.364	43	31280	17.929	ug/l	98
44) Trichloroethene	9.029	130	28550	21.333	ug/l	100
45) 1,2-Dichloropropane	9.305	63	31110	21.040	ug/l	100
46) Dibromomethane	9.399	93	16829	20.905	ug/l	98
47) Bromodichloromethane	9.582	83	41885	20.499	ug/l	96
48) Methyl methacrylate	9.382	41	15132	18.254	ug/l	94
49) 1,4-Dioxane	9.393	88	3505	366.207	ug/l #	90
51) 4-Methyl-2-Pentanone	10.158	43	85260	94.843	ug/l	94
52) Toluene	10.335	92	72554	20.889	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	36222	19.445	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	43070	19.953	ug/l	92
55) 1,1,2-Trichloroethane	10.735	97	22007	20.667	ug/l	95
56) Ethyl methacrylate	10.593	69	24823	19.238	ug/l	97
57) 1,3-Dichloropropane	10.876	76	36894	20.847	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	48515	91.873	ug/l	99
59) 2-Hexanone	10.923	43	54906	88.788	ug/l	97
60) Dibromochloromethane	11.070	129	28321	21.222	ug/l	100
61) 1,2-Dibromoethane	11.182	107	20152	20.409	ug/l	100
64) Tetrachloroethene	10.811	164	24127	21.149	ug/l	93
65) Chlorobenzene	11.605	112	78589	20.660	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.682	131	28038	21.454	ug/l	98
67) Ethyl Benzene	11.682	91	125328	19.716	ug/l	96
68) m/p-Xylenes	11.793	106	99877	40.465	ug/l	99
69) o-Xylene	12.123	106	45082	19.988	ug/l	94
70) Styrene	12.134	104	83492	20.615	ug/l	98
71) Bromoform	12.299	173	16237	20.912	ug/l #	99
73) Isopropylbenzene	12.423	105	112325	18.840	ug/l	99
74) N-amyl acetate	12.234	43	30534	17.844	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	27346	20.857	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	17107m	19.285	ug/l	
77) Bromobenzene	12.699	156	31620	20.446	ug/l	97
78) n-propylbenzene	12.764	91	148999	19.914	ug/l	100
79) 2-Chlorotoluene	12.846	91	87894	20.196	ug/l	98
80) 1,3,5-Trimethylbenzene	12.905	105	102827	20.221	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.470	75	9217	19.723	ug/l	98
82) 4-Chlorotoluene	12.946	91	94773	20.174	ug/l	97
83) tert-Butylbenzene	13.164	119	82763	19.504	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	103976	19.984	ug/l	99
85) sec-Butylbenzene	13.340	105	131823	20.145	ug/l	98
86) p-Isopropyltoluene	13.458	119	106090	19.290	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	64377	19.961	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	64628	19.877	ug/l	97
89) n-Butylbenzene	13.787	91	102312	19.164	ug/l	99
90) Hexachloroethane	14.052	117	25418	20.888	ug/l	95
91) 1,2-Dichlorobenzene	13.829	146	56795	20.272	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4113	19.683	ug/l	99
93) 1,2,4-Trichlorobenzene	15.099	180	34430	19.541	ug/l	98
94) Hexachlorobutadiene	15.199	225	18700	20.400	ug/l	96
95) Naphthalene	15.328	128	58659	17.731	ug/l	97
96) 1,2,3-Trichlorobenzene	15.517	180	29239	18.555	ug/l	93

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

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