

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090525\
 Data File : VD080520.D
 Acq On : 05 Sep 2025 12:21
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 03:01:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 28 03:02:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	338656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	583176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	510362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	245035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	164313	43.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.020%		
35) Dibromofluoromethane	7.806	113	170964	48.333	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.660%		
50) Toluene-d8	10.270	98	676504	48.164	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.320%		
62) 4-Bromofluorobenzene	12.570	95	211661	47.825	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	126109	43.738	ug/l	99
3) Chloromethane	2.147	50	214930	47.222	ug/l	100
4) Vinyl Chloride	2.288	62	239900	51.072	ug/l	98
5) Bromomethane	2.694	94	124800	47.276	ug/l	99
6) Chloroethane	2.841	64	163164	53.216	ug/l	94
7) Trichlorofluoromethane	3.176	101	275554	50.368	ug/l	94
8) Diethyl Ether	3.594	74	99652	45.967	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.971	101	175897	49.550	ug/l	98
10) Methyl Iodide	4.165	142	195695	47.752	ug/l	100
11) Tert butyl alcohol	5.053	59	66050	238.883	ug/l #	86
12) 1,1-Dichloroethene	3.941	96	179285	48.479	ug/l	99
13) Acrolein	3.794	56	38926	132.463	ug/l	100
14) Allyl chloride	4.565	41	293335	45.707	ug/l	97
15) Acrylonitrile	5.253	53	230438	238.683	ug/l	98
16) Acetone	4.023	43	218795	244.605	ug/l	100
17) Carbon Disulfide	4.276	76	573985	45.898	ug/l	99
18) Methyl Acetate	4.559	43	125886	50.010	ug/l	100
19) Methyl tert-butyl Ether	5.318	73	470698	48.501	ug/l	97
20) Methylene Chloride	4.800	84	216951	44.153	ug/l	97
21) trans-1,2-Dichloroethene	5.312	96	201244	47.533	ug/l	95
22) Diisopropyl ether	6.217	45	615762	46.616	ug/l	96
23) Vinyl Acetate	6.159	43	1780801	236.912	ug/l	98
24) 1,1-Dichloroethane	6.117	63	368541	48.198	ug/l	99
25) 2-Butanone	7.082	43	300941	237.605	ug/l	99
26) 2,2-Dichloropropane	7.076	77	298638	49.328	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	239313	47.363	ug/l	99
28) Bromochloromethane	7.423	49	151086	48.486	ug/l	98
29) Tetrahydrofuran	7.447	42	192955	241.085	ug/l	99
30) Chloroform	7.594	83	364964	49.918	ug/l	97
31) Cyclohexane	7.882	56	327441	45.750	ug/l	99
32) 1,1,1-Trichloroethane	7.794	97	311407	51.153	ug/l	99
36) 1,1-Dichloropropene	8.011	75	263905	51.641	ug/l	100
37) Ethyl Acetate	7.170	43	127910	52.049	ug/l	98
38) Carbon Tetrachloride	7.994	117	265724	54.632	ug/l	95
39) Methylcyclohexane	9.276	83	351780	51.715	ug/l	97
40) Benzene	8.253	78	823203	50.614	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	83314	57.103	ug/l #	88
42) 1,2-Dichloroethane	8.329	62	206858	52.509	ug/l	100
43) Isopropyl Acetate	8.364	43	254419	50.884	ug/l	98
44) Trichloroethene	9.029	130	204471	51.820	ug/l	99
45) 1,2-Dichloropropane	9.306	63	204006	50.577	ug/l	99
46) Dibromomethane	9.394	93	115043	53.237	ug/l	97
47) Bromodichloromethane	9.582	83	280491	53.243	ug/l	97
48) Methyl methacrylate	9.382	41	126034	50.847	ug/l	95
49) 1,4-Dioxane	9.388	88	29712	1112.155	ug/l	94
51) 4-Methyl-2-Pentanone	10.158	43	648113	259.912	ug/l	100
52) Toluene	10.335	92	524346	51.696	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	274256	51.082	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	326294	50.820	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	152592	52.666	ug/l	97
56) Ethyl methacrylate	10.594	69	206928	51.261	ug/l	96
57) 1,3-Dichloropropane	10.876	76	264014	51.921	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	409003	261.821	ug/l	99
59) 2-Hexanone	10.917	43	459468	259.330	ug/l	99
60) Dibromochloromethane	11.070	129	193140	52.895	ug/l	98
61) 1,2-Dibromoethane	11.176	107	148230	53.768	ug/l	99
64) Tetrachloroethene	10.805	164	170870	54.213	ug/l	96
65) Chlorobenzene	11.605	112	575309	52.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.682	131	185209	53.391	ug/l	99
67) Ethyl Benzene	11.682	91	994711	52.843	ug/l	100
68) m/p-Xylenes	11.794	106	766565	105.762	ug/l	100
69) o-Xylene	12.117	106	363635	52.574	ug/l	99
70) Styrene	12.135	104	622818	52.931	ug/l	100
71) Bromoform	12.294	173	109645	55.615	ug/l #	100
73) Isopropylbenzene	12.417	105	926255	51.594	ug/l	100
74) N-amyl acetate	12.229	43	240276	50.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	175023	52.437	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	104128m	52.068	ug/l	
77) Bromobenzene	12.699	156	214373	51.609	ug/l	98
78) n-propylbenzene	12.758	91	1123596	51.541	ug/l	99
79) 2-Chlorotoluene	12.847	91	623740	50.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	754121	51.693	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	65621	49.802	ug/l	97
82) 4-Chlorotoluene	12.941	91	654552	51.227	ug/l	99
83) tert-Butylbenzene	13.164	119	666792	52.681	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	757407	51.563	ug/l	99
85) sec-Butylbenzene	13.341	105	981367	51.949	ug/l	99
86) p-Isopropyltoluene	13.458	119	828165	52.408	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	424058	52.948	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	414952	51.597	ug/l	100
89) n-Butylbenzene	13.782	91	786638	52.257	ug/l	99
90) Hexachloroethane	14.052	117	158608	51.891	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	370110	51.930	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.441	75	26043	51.993	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	234814	52.586	ug/l	99
94) Hexachlorobutadiene	15.199	225	110760	54.573	ug/l	99
95) Naphthalene	15.329	128	492698	51.869	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	203853	53.329	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080525\
Data File : VD080520.D
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ALS Vial : 8 Sample Multiplier: 1

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