

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
 Data File : VD080447.D
 Acq On : 18 Jun 2025 10:02
 Operator : RP/MD
 Sample : VSTD00583
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005883

Quant Time: Jun 19 08:37:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 08:34:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	169662	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	164777	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	87205	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	17742m	6.04	ug/L	0.00
7) Chloroethane-d5	2.800	69	14893	5.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.923	65	5462	5.39	ug/L	0.00
21) 2-Butanone-d5	6.988	46	5124m	9.93	ug/L	0.00
24) Chloroform-d	7.570	84	26026	5.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.223	65	13380	5.42	ug/L	0.00
32) Benzene-d6	8.199	84	50459	5.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.211	67	16982	5.69	ug/L	0.00
41) Toluene-d8	10.270	98	45475	5.18	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.523	79	6726	5.35	ug/L	0.00
47) 2-Hexanone-d5	10.876	63	4266	9.35	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.652	84	15061	5.65	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.811	152	18092	5.48	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	14963	5.55	ug/L	94
3) Chloromethane	2.147	50	14418	5.46	ug/L	99
5) Vinyl chloride	2.288	62	17287	5.52	ug/L	89
6) Bromomethane	2.694	94	9630	5.63	ug/L	91
8) Chloroethane	2.841	64	12609	6.00	ug/L	96
9) Trichlorofluoromethane	3.170	101	23991	5.72	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	14452	5.50	ug/L #	91
12) 1,1-Dichloroethene	3.947	96	10911m	4.83	ug/L	
13) Acetone	4.017	43	4335m	9.61	ug/L	
14) Carbon disulfide	4.270	76	38281	5.04	ug/L	96
15) Methyl Acetate	4.564	43	5026	4.61	ug/L #	73
16) Methylene chloride	4.805	84	14128	3.84	ug/L	93
17) trans-1,2-Dichloroethene	5.311	96	11370	4.53	ug/L	92
18) Methyl tert-butyl Ether	5.317	73	20900	4.28	ug/L #	78
19) 1,1-Dichloroethane	6.111	63	22053	5.05	ug/L	95
20) cis-1,2-Dichloroethene	7.070	96	11660	4.38	ug/L	74
22) 2-Butanone	7.094	43	5578m	9.06	ug/L	
23) Bromochloromethane	7.435	128	6801m	4.93	ug/L	
25) Chloroform	7.594	83	25625	5.24	ug/L	99
27) 1,2-Dichloroethane	8.329	62	13413	4.81	ug/L #	91
29) Cyclohexane	7.882	56	15798	4.48	ug/L	99
30) 1,1,1-Trichloroethane	7.788	97	20927	5.19	ug/L	98
31) Carbon tetrachloride	7.994	117	20030	5.32	ug/L	99
33) Benzene	8.252	78	45042	4.58	ug/L	100
34) Trichloroethene	9.029	95	13458	4.89	ug/L	95
35) Methylcyclohexane	9.276	83	17230	4.25	ug/L	91
37) 1,2-Dichloropropane	9.305	63	13390	4.95	ug/L	99
38) Bromodichloromethane	9.588	83	17127	4.89	ug/L	94
39) cis-1,3-Dichloropropene	10.017	75	17055	4.25	ug/L	99
40) 4-Methyl-2-pentanone	10.158	43	11246	8.25	ug/L	96
42) Toluene	10.335	91	46896	4.35	ug/L	89
44) trans-1,3-Dichloropropene	10.546	75	15106	4.36	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.729	97	10755	4.87	ug/L	85
46) Tetrachloroethene	10.805	164	11573	4.80	ug/L	89
48) 2-Hexanone	10.917	43	8062	8.08	ug/L #	97
49) Dibromochloromethane	11.076	129	13051	4.96	ug/L	88
50) 1,2-Dibromoethane	11.176	107	9613	4.61	ug/L #	98
51) Chlorobenzene	11.605	112	34354	4.67	ug/L	97
52) Ethylbenzene	11.682	91	49749	4.30	ug/L	95
53) m,p-Xylene	11.793	106	19262	4.31	ug/L	83
54) o-Xylene	12.117	106	16948	3.96	ug/L	88
55) Styrene	12.134	104	31068	4.07	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.664	83	12643	4.94	ug/L #	88
59) Bromoform	12.293	173	8876	5.01	ug/L	98
60) Isopropylbenzene	12.417	105	49217	4.41	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	9095	5.23	ug/L	93
62) 1,3,5-Trimethylbenzene	12.899	105	35749	4.11	ug/L	97
63) 1,2,4-Trimethylbenzene	13.205	105	35430	4.12	ug/L	98
64) 1,3-Dichlorobenzene	13.452	146	28720	4.93	ug/L	93
65) 1,4-Dichlorobenzene	13.534	146	28695	4.74	ug/L	95
67) 1,2-Dichlorobenzene	13.829	146	25732	4.76	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.446	75	2182	5.54	ug/L	89
69) 1,3,5-Trichlorobenzene	14.593	180	18827	4.70	ug/L	99
70) 1,2,4-trichlorobenzene	15.093	180	14405	4.28	ug/L	94
71) Naphthalene	15.328	128	25711	4.30	ug/L	99
72) 1,2,3-Trichlorobenzene	15.523	180	13866	4.45	ug/L	97

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

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