

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061325\
 Data File : VD080436.D
 Acq On : 13 Jun 2025 13:26
 Operator : RP/MD
 Sample : VSTD05079
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050879

Quant Time: Jun 16 11:12:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061325SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 16 11:07:54 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	253206	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.576	117	240555	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.511	152	132908	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	186906	42.99	ug/L	0.00
7) Chloroethane-d5	2.800	69	160333	43.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.917	65	67873	45.40	ug/L	0.00
21) 2-Butanone-d5	6.982	46	74391m	97.57	ug/L	0.00
24) Chloroform-d	7.564	84	330905	45.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.229	65	163525	45.20	ug/L	0.00
32) Benzene-d6	8.200	84	649399	48.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.211	67	202191	46.85	ug/L	0.00
41) Toluene-d8	10.270	98	630709	49.85	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.523	79	90623	49.99	ug/L	0.00
47) 2-Hexanone-d5	10.876	63	66912	102.28	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.646	84	176847	46.29	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.811	152	231098	46.64	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	173594	42.49	ug/L	100
3) Chloromethane	2.147	50	164363	40.76	ug/L	100
5) Vinyl chloride	2.282	62	215389	45.06	ug/L	99
6) Bromomethane	2.694	94	120701	47.55	ug/L	94
8) Chloroethane	2.835	64	138977	43.22	ug/L	94
9) Trichlorofluoromethane	3.176	101	282754	44.57	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	177313	44.59	ug/L	98
12) 1,1-Dichloroethene	3.941	96	160604	46.72	ug/L	98
13) Acetone	4.023	43	60483	87.37	ug/L	96
14) Carbon disulfide	4.270	76	529084	45.47	ug/L	100
15) Methyl Acetate	4.564	43	74202	44.53	ug/L	96
16) Methylene chloride	4.800	84	192968	33.84	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	184330	47.81	ug/L	98
18) Methyl tert-butyl Ether	5.317	73	381546	50.57	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	315074	46.97	ug/L	98
20) cis-1,2-Dichloroethene	7.082	96	205624	49.93	ug/L	98
22) 2-Butanone	7.082	43	95141	100.62	ug/L	98
23) Bromochloromethane	7.423	128	98365	46.75	ug/L	98
25) Chloroform	7.594	83	348353	46.72	ug/L	96
27) 1,2-Dichloroethane	8.323	62	199706	46.75	ug/L	99
29) Cyclohexane	7.876	56	281204	52.61	ug/L	100
30) 1,1,1-Trichloroethane	7.794	97	284429	47.04	ug/L	98
31) Carbon tetrachloride	7.994	117	258128	45.80	ug/L	100
33) Benzene	8.252	78	727580	49.19	ug/L	100
34) Trichloroethene	9.029	95	197561	47.74	ug/L	99
35) Methylcyclohexane	9.276	83	309536	50.71	ug/L	98
37) 1,2-Dichloropropane	9.305	63	192436	47.52	ug/L	100
38) Bromodichloromethane	9.582	83	252178	47.58	ug/L	99
39) cis-1,3-Dichloropropene	10.017	75	314470	52.05	ug/L	99
40) 4-Methyl-2-pentanone	10.158	43	215309	104.96	ug/L	100
42) Toluene	10.335	91	825247	50.88	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	264857	50.78	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.729	97	155847	47.05	ug/L	97
46) Tetrachloroethene	10.805	164	172828	47.87	ug/L	94
48) 2-Hexanone	10.917	43	156990	104.30	ug/L	97
49) Dibromochloromethane	11.070	129	187705	47.67	ug/L	96
50) 1,2-Dibromoethane	11.176	107	152509	48.90	ug/L	99
51) Chlorobenzene	11.605	112	531049	47.89	ug/L	98
52) Ethylbenzene	11.682	91	897228	51.39	ug/L	100
53) m,p-Xylene	11.788	106	355230	52.62	ug/L	95
54) o-Xylene	12.117	106	342185	52.84	ug/L	97
55) Styrene	12.129	104	611319	52.94	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.670	83	182828	47.71	ug/L	98
59) Bromoform	12.293	173	129507	46.76	ug/L	98
60) Isopropylbenzene	12.417	105	900398	50.92	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	123454	45.09	ug/L	98
62) 1,3,5-Trimethylbenzene	12.899	105	725113	52.38	ug/L	100
63) 1,2,4-Trimethylbenzene	13.205	105	725883	52.86	ug/L	100
64) 1,3-Dichlorobenzene	13.452	146	442660	48.19	ug/L	98
65) 1,4-Dichlorobenzene	13.535	146	453363	47.50	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	407580	47.81	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.446	75	28212	45.36	ug/L	94
69) 1,3,5-Trichlorobenzene	14.587	180	309955	48.96	ug/L	98
70) 1,2,4-trichlorobenzene	15.093	180	259589	48.78	ug/L	99
71) Naphthalene	15.329	128	492298	51.84	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	240994	48.99	ug/L	100

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

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