

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
 Data File : VD080452.D
 Acq On : 18 Jun 2025 12:20
 Operator : RP/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VICV887

Quant Time: Jun 19 09:20:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 09:10:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	213537	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	206421	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	113513	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	71960	19.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.52%
7) Chloroethane-d5	2.806	69	66839	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.56%
11) 1,1-Dichloroethene-d2	3.917	65	25645	20.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.96%
21) 2-Butanone-d5	6.982	46	27285	45.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.92%
24) Chloroform-d	7.570	84	126629	21.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.16%
26) 1,2-Dichloroethane-d4	8.229	65	65931	21.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.72%
32) Benzene-d6	8.205	84	263445	23.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.84%
36) 1,2-Dichloropropane-d6	9.211	67	83403	22.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.56%
41) Toluene-d8	10.270	98	255444	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.28%
43) trans-1,3-Dichloroprop...	10.523	79	35984	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.76%
47) 2-Hexanone-d5	10.876	63	27197	48.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.18%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	79064	23.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.92%
66) 1,2-Dichlorobenzene-d4	13.811	152	94032	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	68491	20.27	ug/L	99
3) Chloromethane	2.147	50	76831	24.23	ug/L	99
5) Vinyl chloride	2.288	62	91506	23.65	ug/L	96
6) Bromomethane	2.694	94	57654	23.99	ug/L	89
8) Chloroethane	2.841	64	64184	24.10	ug/L	98
9) Trichlorofluoromethane	3.176	101	114469	21.55	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	70676	21.45	ug/L	99
12) 1,1-Dichloroethene	3.947	96	66100	24.69	ug/L	85
13) Acetone	4.017	43	35583	69.56	ug/L	99
14) Carbon disulfide	4.270	76	226809	24.97	ug/L	99
15) Methyl Acetate	4.570	43	31658	25.67	ug/L	99
16) Methylene chloride	4.800	84	90630	27.39	ug/L	90
17) trans-1,2-Dichloroethene	5.311	96	78084	27.85	ug/L	97
18) Methyl tert-butyl Ether	5.311	73	155078	27.48	ug/L	98
19) 1,1-Dichloroethane	6.111	63	135408	25.76	ug/L	97
20) cis-1,2-Dichloroethene	7.082	96	85060	27.82	ug/L	95
22) 2-Butanone	7.082	43	44347	59.72	ug/L	96
23) Bromochloromethane	7.423	128	42426	25.82	ug/L	85
25) Chloroform	7.594	83	160318	26.49	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.323	62	88350	26.01	ug/L	99
29) Cyclohexane	7.876	56	103655	24.19	ug/L	98
30) 1,1,1-Trichloroethane	7.794	97	120598	24.77	ug/L	98
31) Carbon tetrachloride	7.988	117	110531	23.67	ug/L	99
33) Benzene	8.253	78	313710	27.71	ug/L	100
34) Trichloroethene	9.029	95	84470	25.86	ug/L	91
35) Methylcyclohexane	9.276	83	112900	23.39	ug/L	99
37) 1,2-Dichloropropane	9.305	63	85607	27.11	ug/L	100
38) Bromodichloromethane	9.582	83	109308	26.33	ug/L	97
39) cis-1,3-Dichloropropene	10.017	75	127501	26.98	ug/L	93
40) 4-Methyl-2-pentanone	10.158	43	92278	57.02	ug/L	99
42) Toluene	10.335	91	354240	28.30	ug/L	96
44) trans-1,3-Dichloropropene	10.552	75	111990	28.00	ug/L	94
45) 1,1,2-Trichloroethane	10.735	97	69773	27.19	ug/L	91
46) Tetrachloroethene	10.805	164	73342	25.11	ug/L	98
48) 2-Hexanone	10.917	43	68671	58.23	ug/L	96
49) Dibromochloromethane	11.070	129	83215	26.55	ug/L	96
50) 1,2-Dibromoethane	11.176	107	66613	26.93	ug/L	93
51) Chlorobenzene	11.605	112	229036	26.53	ug/L	98
52) Ethylbenzene	11.682	91	382032	28.14	ug/L	98
53) m,p-Xylene	11.788	106	150551	28.26	ug/L	96
54) o-Xylene	12.123	106	143510	28.59	ug/L	98
55) Styrene	12.135	104	262099	29.60	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.670	83	82195	26.23	ug/L	99
59) Bromoform	12.299	173	56904	25.56	ug/L	99
60) Isopropylbenzene	12.417	105	374948	27.92	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	54995	25.83	ug/L	99
62) 1,3,5-Trimethylbenzene	12.905	105	294573	28.43	ug/L	100
63) 1,2,4-Trimethylbenzene	13.211	105	296218	28.95	ug/L	100
64) 1,3-Dichlorobenzene	13.458	146	192356	27.34	ug/L	100
65) 1,4-Dichlorobenzene	13.535	146	196681	26.87	ug/L	98
67) 1,2-Dichlorobenzene	13.829	146	176012	27.71	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.446	75	12649	25.36	ug/L	89
69) 1,3,5-Trichlorobenzene	14.593	180	127058	26.14	ug/L	99
70) 1,2,4-trichlorobenzene	15.093	180	106460	26.76	ug/L	99
71) Naphthalene	15.329	128	196253	27.14	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	102710	27.54	ug/L	99

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

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