

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061325\
 Data File : VD080439.D
 Acq On : 13 Jun 2025 14:45
 Operator : RP/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VICV881

Quant Time: Jun 16 11:39:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061325SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 16 11:17:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	237765	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	229105	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	125866	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	95833	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
7) Chloroethane-d5	2.806	69	83538	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.32%
11) 1,1-Dichloroethene-d2	3.917	65	32843	23.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.56%
21) 2-Butanone-d5	6.982	46	36758m	51.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.70%
24) Chloroform-d	7.564	84	166148	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	8.229	65	84017	24.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.92%
32) Benzene-d6	8.200	84	326998	25.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.04%
36) 1,2-Dichloropropane-d6	9.205	67	102030	24.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.28%
41) Toluene-d8	10.264	98	308991	25.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.56%
43) trans-1,3-Dichloroprop...	10.523	79	43937	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.80%
47) 2-Hexanone-d5	10.876	63	32031	51.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.82%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	92650	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.84%
66) 1,2-Dichlorobenzene-d4	13.811	152	114537	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	86924	22.66	ug/L	99
3) Chloromethane	2.147	50	87768	23.18	ug/L	99
5) Vinyl chloride	2.288	62	106559	23.74	ug/L	99
6) Bromomethane	2.694	94	62948	26.41	ug/L	98
8) Chloroethane	2.841	64	75025	24.85	ug/L	97
9) Trichlorofluoromethane	3.176	101	143976	24.17	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.965	101	90156	24.14	ug/L	98
12) 1,1-Dichloroethene	3.935	96	80226	24.85	ug/L #	86
13) Acetone	4.023	43	27974	43.03	ug/L	82
14) Carbon disulfide	4.270	76	264012	24.17	ug/L	98
15) Methyl Acetate	4.559	43	37371	23.88	ug/L	97
16) Methylene chloride	4.806	84	104074	19.44	ug/L	86
17) trans-1,2-Dichloroethene	5.312	96	88792	24.53	ug/L	97
18) Methyl tert-butyl Ether	5.323	73	185379	26.17	ug/L	97
19) 1,1-Dichloroethane	6.117	63	157723	25.04	ug/L	97
20) cis-1,2-Dichloroethene	7.082	96	101450	26.23	ug/L	98
22) 2-Butanone	7.082	43	45903	51.70	ug/L	98
23) Bromochloromethane	7.429	128	49869	25.24	ug/L	95
25) Chloroform	7.594	83	175233	25.03	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.323	62	101496	25.30	ug/L	96
29) Cyclohexane	7.876	56	135770	26.67	ug/L	98
30) 1,1,1-Trichloroethane	7.794	97	142860	24.81	ug/L	98
31) Carbon tetrachloride	7.994	117	133065	24.79	ug/L	99
33) Benzene	8.247	78	367865	26.11	ug/L	100
34) Trichloroethene	9.029	95	95254	24.17	ug/L	95
35) Methylcyclohexane	9.270	83	149861	25.78	ug/L	100
37) 1,2-Dichloropropane	9.300	63	101351	26.28	ug/L	99
38) Bromodichloromethane	9.582	83	126156	24.99	ug/L	99
39) cis-1,3-Dichloropropene	10.017	75	146784	25.51	ug/L	98
40) 4-Methyl-2-pentanone	10.158	43	107866	55.21	ug/L	99
42) Toluene	10.329	91	405985	26.28	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	128939	25.96	ug/L	98
45) 1,1,2-Trichloroethane	10.729	97	79154	25.09	ug/L	97
46) Tetrachloroethene	10.805	164	86417	25.13	ug/L	98
48) 2-Hexanone	10.917	43	77334	53.95	ug/L	97
49) Dibromochloromethane	11.070	129	97409	25.98	ug/L	100
50) 1,2-Dibromoethane	11.176	107	76087	25.61	ug/L	98
51) Chlorobenzene	11.605	112	264499	25.04	ug/L	98
52) Ethylbenzene	11.682	91	437419	26.31	ug/L	96
53) m,p-Xylene	11.788	106	174812	27.19	ug/L	96
54) o-Xylene	12.117	106	163461	26.50	ug/L	96
55) Styrene	12.129	104	302364	27.49	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.670	83	93607	25.65	ug/L	96
59) Bromoform	12.294	173	65353	24.91	ug/L	99
60) Isopropylbenzene	12.417	105	429977	25.68	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	63063	24.32	ug/L	98
62) 1,3,5-Trimethylbenzene	12.899	105	343902	26.23	ug/L	100
63) 1,2,4-Trimethylbenzene	13.211	105	344109	26.46	ug/L	100
64) 1,3-Dichlorobenzene	13.452	146	217532	25.01	ug/L	96
65) 1,4-Dichlorobenzene	13.535	146	227006	25.11	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	200004	24.77	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.440	75	14129	23.99	ug/L	94
69) 1,3,5-Trichlorobenzene	14.588	180	151405	25.25	ug/L	99
70) 1,2,4-trichlorobenzene	15.093	180	125273	24.86	ug/L	98
71) Naphthalene	15.329	128	230045	25.58	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	125711	26.98	ug/L	96

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

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