

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080280.D
 Acq On : 18 Mar 2025 13:50
 Operator : RP/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VICV875

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/24/2025
 Supervised By :Mahesh Dadoda 03/25/2025

Quant Time: Mar 24 10:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:47:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	204200	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	193364	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	105061	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	137329	20.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	81.68%		
7) Chloroethane-d5	2.793	69	131130	21.89	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.56%		
11) 1,1-Dichloroethene-d2	3.911	65	32002	22.64	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	90.56%		
21) 2-Butanone-d5	6.993	46	37032	52.47	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	104.94%		
24) Chloroform-d	7.569	84	158418	25.16	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	100.64%		
26) 1,2-Dichloroethane-d4	8.228	65	87887	25.54	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.16%		
32) Benzene-d6	8.199	84	313329	27.73	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	110.92%		
36) 1,2-Dichloropropane-d6	9.210	67	97071	26.63	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	106.52%		
41) Toluene-d8	10.263	98	267698	26.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	105.00%		
43) trans-1,3-Dichloroprop...	10.522	79	38562	25.70	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	102.80%		
47) 2-Hexanone-d5	10.875	63	30143	57.15	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	114.30%		
56) 1,1,2,2-Tetrachloroeth...	12.645	84	80418	24.83	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	99.32%		
66) 1,2-Dichlorobenzene-d4	13.816	152	89162	24.23	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.92%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	87252	22.99	ug/L	99
3) Chloromethane	2.158	50	137677	22.45	ug/L	98
5) Vinyl chloride	2.275	62	176488	22.13	ug/L	95
6) Bromomethane	2.687	94	93687	22.58	ug/L	92
8) Chloroethane	2.828	64	116411	21.59	ug/L	95
9) Trichlorofluoromethane	3.164	101	139030	23.37	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	81768	23.28	ug/L	98
12) 1,1-Dichloroethene	3.928	96	70858m	23.69	ug/L	
13) Acetone	4.028	43	33592	44.26	ug/L	97
14) Carbon disulfide	4.263	76	262410	23.68	ug/L	99
15) Methyl Acetate	4.563	43	37608	23.46	ug/L	98
16) Methylene chloride	4.793	84	89114	22.28	ug/L	91
17) trans-1,2-Dichloroethene	5.311	96	77875	24.07	ug/L	93
18) Methyl tert-butyl Ether	5.316	73	163824	24.11	ug/L	100
19) 1,1-Dichloroethane	6.110	63	154436	24.29	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	85393	24.48	ug/L	98
22) 2-Butanone	7.081	43	46219	48.48	ug/L #	68
23) Bromochloromethane	7.428	128	40737	24.45	ug/L	98
25) Chloroform	7.593	83	166816	24.53	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	102809	24.21	ug/L	99
29) Cyclohexane	7.875	56	131829	28.96	ug/L	97
30) 1,1,1-Trichloroethane	7.787	97	131851	25.95	ug/L	100
31) Carbon tetrachloride	7.993	117	114928	25.77	ug/L	100
33) Benzene	8.252	78	340452	27.10	ug/L	100
34) Trichloroethene	9.028	95	82316	24.54	ug/L	98
35) Methylcyclohexane	9.269	83	132039	27.78	ug/L	99
37) 1,2-Dichloropropane	9.299	63	91834	25.19	ug/L	99
38) Bromodichloromethane	9.581	83	110018	23.78	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	126000	23.85	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	87484	45.35	ug/L	99
42) Toluene	10.334	91	345427	25.74	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	111175	25.20	ug/L	95
45) 1,1,2-Trichloroethane	10.728	97	64891	23.77	ug/L	98
46) Tetrachloroethene	10.804	164	66475	25.50	ug/L	98
48) 2-Hexanone	10.922	43	73784	52.79	ug/L	98
49) Dibromochloromethane	11.075	129	73590	23.85	ug/L	94
50) 1,2-Dibromoethane	11.175	107	60696	25.10	ug/L	94
51) Chlorobenzene	11.604	112	217546	24.47	ug/L	96
52) Ethylbenzene	11.681	91	376483	25.76	ug/L	100
53) m,p-Xylene	11.793	106	151187	27.96	ug/L	89
54) o-Xylene	12.116	106	135277	26.35	ug/L	96
55) Styrene	12.134	104	251988	27.08	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	78736	23.82	ug/L	94
59) Bromoform	12.293	173	48843	25.10	ug/L	100
60) Isopropylbenzene	12.416	105	377477	26.69	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	55527	23.86	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	288605	25.90	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	299900	26.48	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	171542	24.27	ug/L	98
65) 1,4-Dichlorobenzene	13.534	146	185874	24.42	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	149564	22.89	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	10772	19.56	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.592	180	106258	22.86	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	95174	24.57	ug/L	99
71) Naphthalene	15.328	128	179533	24.68	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	90281	25.82	ug/L	97

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

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