

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020425\
 Data File : VW031691.D
 Acq On : 04 Feb 2025 16:36
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025496

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/05/2025
 Supervised By :Mahesh Dadoda 02/07/2025

Quant Time: Feb 05 07:44:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM013125SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Feb 03 07:53:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	306402	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	214196	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	90426	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	104813	21.813	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.240%
7) Chloroethane-d5	2.893	69	69459	21.360	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.440%
11) 1,1-Dichloroethene-d2	4.015	65	49773	20.896	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.600%
21) 2-Butanone-d5	7.088	46	80604	53.227	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.460%
24) Chloroform-d	7.648	84	159824	24.000	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	8.301	65	58951	22.941	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.760%
32) Benzene-d6	8.270	84	348912	23.679	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.720%
36) 1,2-Dichloropropane-d6	9.270	67	84100	23.409	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.640%
41) Toluene-d8	10.319	98	298448	22.554	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	10.575	79	24588	23.192	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.760%
47) 2-Hexanone-d5	10.922	63	34469	51.338	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.680%
56) 1,1,2,2-Tetrachloroeth...	12.684	84	62718	24.641	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.560%
66) 1,2-Dichlorobenzene-d4	13.849	152	66024	22.354	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.009	85	153380m	35.400	ug/L	
3) Chloromethane	2.210	50	100857	24.418	ug/L	96
5) Vinyl chloride	2.375	62	161101	28.317	ug/L	100
6) Bromomethane	2.783	94	69256	26.793	ug/L	90
8) Chloroethane	2.930	64	77315	27.903	ug/L	93
9) Trichlorofluoromethane	2.253	101	130885	29.397	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	165686	33.019	ug/L	93
12) 1,1-Dichloroethene	4.033	96	141827	29.326	ug/L	94
13) Acetone	4.149	43	61451	50.694	ug/L	97
14) Carbon disulfide	4.387	76	410307	27.837	ug/L	100
15) Methyl Acetate	4.673	43	55446	26.028	ug/L #	100
16) Methylene chloride	4.917	84	76438	23.773	ug/L	89
17) trans-1,2-Dichloroethene	5.423	96	130942	27.256	ug/L	94
18) Methyl tert-butyl Ether	5.417	73	96111	23.296	ug/L	98
19) 1,1-Dichloroethane	6.210	63	203790	27.452	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	107903	26.046	ug/L	96
22) 2-Butanone	7.179	43	88509	49.062	ug/L	99
23) Bromochloromethane	7.514	128	33811	25.185	ug/L	93
25) Chloroform	7.667	83	177577	26.879	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.392	62	80821	25.295	ug/L	98
29) Cyclohexane	7.947	56	293028	29.748	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	202839	29.791	ug/L	99
31) Carbon tetrachloride	8.063	117	194167	30.341	ug/L	100
33) Benzene	8.319	78	468368	27.292	ug/L	100
34) Trichloroethene	9.087	95	139687	27.594	ug/L	95
35) Methylcyclohexane	9.331	83	313602	31.049	ug/L	97
37) 1,2-Dichloropropane	9.362	63	91915	26.598	ug/L	100
38) Bromodichloromethane	9.642	83	95548	26.551	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	111304	25.925	ug/L	98
40) 4-Methyl-2-pentanone	10.203	43	118167	51.688	ug/L	99
42) Toluene	10.386	91	491283	27.431	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	79251	25.373	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	51464	24.893	ug/L	95
46) Tetrachloroethene	10.861	164	111707	29.680	ug/L	97
48) 2-Hexanone	10.965	43	93885	54.662	ug/L	100
49) Dibromochloromethane	11.123	129	48524	25.358	ug/L	92
50) 1,2-Dibromoethane	11.233	107	49030	24.552	ug/L	94
51) Chlorobenzene	11.654	112	248495	25.918	ug/L	97
52) Ethylbenzene	11.721	91	566440	27.423	ug/L	96
53) m,p-Xylene	11.837	106	209493	28.019	ug/L	96
54) o-Xylene	12.160	106	169441	26.601	ug/L	96
55) Styrene	12.178	104	252390	25.676	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.708	83	66758	24.857	ug/L	93
59) Bromoform	12.343	173	25983	26.096	ug/L	92
60) Isopropylbenzene	12.459	105	611504	29.277	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	53876	26.118	ug/L	98
62) 1,3,5-Trimethylbenzene	12.934	105	430588	28.038	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	382828	27.749	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	174740	27.539	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	164683	26.328	ug/L	97
67) 1,2-Dichlorobenzene	13.861	146	135026	26.006	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	15095	26.567	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	122034	27.574	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	82841	25.643	ug/L	98
71) Naphthalene	15.360	128	161819	24.492	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	67564	25.660	ug/L	94

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

Manual Integrations

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