

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051123\
 Data File : VW025958.D
 Acq On : 11 May 2023 16:11
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025486

Quant Time: May 12 05:39:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 05 23:47:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	577113	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	518652	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	260980	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	179528	21.952	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.800%
7) Chloroethane-d5	2.899	69	108314	17.865	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.440%
11) 1,1-Dichloroethene-d2	4.027	65	88225	21.544	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.160%
21) 2-Butanone-d5	7.081	46	137864	50.993	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.980%
24) Chloroform-d	7.648	84	406111	24.404	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	8.300	65	225398	23.953	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	8.276	84	801091	23.638	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.560%
36) 1,2-Dichloropropane-d6	9.276	67	259953	23.974	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.880%
41) Toluene-d8	10.318	98	692295	22.908	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.640%
43) trans-1,3-Dichloroprop...	10.574	79	99087	22.544	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.160%
47) 2-Hexanone-d5	10.922	63	101742	55.026	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.060%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	214768	25.987	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.960%
66) 1,2-Dichlorobenzene-d4	13.848	152	215320	22.632	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	149119	23.128	ug/L	96
3) Chloromethane	2.222	50	249504	26.245	ug/L	95
5) Vinyl chloride	2.375	62	238767	24.265	ug/L	99
6) Bromomethane	2.789	94	123566	23.088	ug/L	97
8) Chloroethane	2.930	64	109404	19.553	ug/L	99
9) Trichlorofluoromethane	3.265	101	143071	19.266	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	198476	24.576	ug/L	97
12) 1,1-Dichloroethene	4.045	96	183468	23.770	ug/L	95
13) Acetone	4.137	43	97177	40.537	ug/L	98
14) Carbon disulfide	4.393	76	601110	23.030	ug/L	99
15) Methyl Acetate	4.673	43	124359	26.324	ug/L	100
16) Methylene chloride	4.923	84	231490	19.450	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	207941	24.696	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	330709	25.878	ug/L	100
19) 1,1-Dichloroethane	6.215	63	446137	25.789	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	229223	25.375	ug/L	98
22) 2-Butanone	7.173	43	156403	47.249	ug/L	98
23) Bromochloromethane	7.514	128	98388	25.709	ug/L	97
25) Chloroform	7.673	83	414353	26.060	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	294186	26.053	ug/L	100
29) Cyclohexane	7.959	56	392818	24.440	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	318103	25.079	ug/L	99
31) Carbon tetrachloride	8.075	117	283297	24.818	ug/L	98
33) Benzene	8.325	78	918399	25.594	ug/L	100
34) Trichloroethene	9.087	95	229121	24.883	ug/L	95
35) Methylcyclohexane	9.337	83	396252	24.196	ug/L	99
37) 1,2-Dichloropropane	9.367	63	255644	26.004	ug/L	99
38) Bromodichloromethane	9.642	83	289446	25.663	ug/L	98
39) cis-1,3-Dichloropropene	10.068	75	359784	24.955	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	357879	55.926	ug/L	99
42) Toluene	10.385	91	949554	25.898	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	304869	25.521	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	170898	25.987	ug/L	97
46) Tetrachloroethene	10.861	164	153721	23.730	ug/L	96
48) 2-Hexanone	10.965	43	246549	53.782	ug/L	99
49) Dibromochloromethane	11.129	129	172017	25.266	ug/L	98
50) 1,2-Dibromoethane	11.233	107	156951	25.889	ug/L	98
51) Chlorobenzene	11.654	112	570825	25.132	ug/L	99
52) Ethylbenzene	11.727	91	1059237	25.683	ug/L	97
53) m,p-Xylene	11.836	106	388156	25.571	ug/L	95
54) o-Xylene	12.160	106	366558	25.620	ug/L	99
55) Styrene	12.178	104	642558	26.239	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.714	83	216951	26.439	ug/L	99
59) Bromoform	12.342	173	97738	25.284	ug/L #	97
60) Isopropylbenzene	12.458	105	1003012	25.284	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	160823	26.074	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	815709	25.961	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	734387	25.328	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	412921	24.179	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	414537	24.027	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	376224	24.703	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.482	75	35139	24.568	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	257492	22.715	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	217421	22.894	ug/L	97
71) Naphthalene	15.360	128	468419	26.133	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	200634	23.810	ug/L	99

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

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