

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091823\
 Data File : VW027123.D
 Acq On : 18 Sep 2023 13:05
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025504

Quant Time: Sep 18 22:33:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 18 22:25:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	504191	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	507179	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	292736	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	187837	23.155	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.600%
7) Chloroethane-d5	2.893	69	148855	23.762	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.040%
11) 1,1-Dichloroethene-d2	4.021	65	82827	23.815	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.240%
21) 2-Butanone-d5	7.075	46	75687	50.388	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.780%
24) Chloroform-d	7.648	84	384393	25.377	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.520%
26) 1,2-Dichloroethane-d4	8.307	65	187541	25.374	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.480%
32) Benzene-d6	8.276	84	836535	25.540	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.160%
36) 1,2-Dichloropropane-d6	9.270	67	236981	25.570	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.280%
41) Toluene-d8	10.318	98	777139	26.659	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.640%
43) trans-1,3-Dichloroprop...	10.575	79	94912	25.342	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.360%
47) 2-Hexanone-d5	10.922	63	66239	59.313	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.620%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	186231	25.078	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.320%
66) 1,2-Dichlorobenzene-d4	13.854	152	254224	24.318	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	131350	22.902	ug/L	# 84
3) Chloromethane	2.222	50	159575	25.929	ug/L	94
5) Vinyl chloride	2.375	62	204758	24.452	ug/L	98
6) Bromomethane	2.789	94	143419	24.662	ug/L	97
8) Chloroethane	2.930	64	124487	25.493	ug/L	97
9) Trichlorofluoromethane	3.265	101	160914	24.745	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	185420	24.746	ug/L	96
12) 1,1-Dichloroethene	4.045	96	189648	25.791	ug/L	94
13) Acetone	4.118	43	64510	45.459	ug/L	100
14) Carbon disulfide	4.393	76	631343	25.756	ug/L	98
15) Methyl Acetate	4.667	43	72087	25.747	ug/L	97
16) Methylene chloride	4.917	84	222005	23.144	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	213338	26.736	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	297506	28.060	ug/L	100
19) 1,1-Dichloroethane	6.216	63	359373	25.682	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	227518	27.110	ug/L	99
22) 2-Butanone	7.173	43	93045	48.538	ug/L	99
23) Bromochloromethane	7.520	128	98113	25.393	ug/L	94
25) Chloroform	7.679	83	374834	26.083	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	231945	26.635	ug/L	98
29) Cyclohexane	7.959	56	323002	26.607	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	296355	24.724	ug/L	98
31) Carbon tetrachloride	8.069	117	274679	25.859	ug/L	99
33) Benzene	8.325	78	876607	26.169	ug/L	100
34) Trichloroethene	9.087	95	218716	24.706	ug/L	98
35) Methylcyclohexane	9.337	83	393688	26.072	ug/L	99
37) 1,2-Dichloropropane	9.367	63	211284	25.398	ug/L	100
38) Bromodichloromethane	9.642	83	262846	25.837	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	329674	26.456	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	200282	53.682	ug/L	99
42) Toluene	10.386	91	950550	26.854	ug/L	95
44) trans-1,3-Dichloropropene	10.605	75	275883	26.381	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	162415	25.374	ug/L	97
46) Tetrachloroethene	10.861	164	183944	24.652	ug/L	84
48) 2-Hexanone	10.965	43	140114	52.076	ug/L	97
49) Dibromochloromethane	11.129	129	174536	26.055	ug/L	95
50) 1,2-Dibromoethane	11.233	107	151949	25.866	ug/L #	93
51) Chlorobenzene	11.654	112	600892	25.723	ug/L	96
52) Ethylbenzene	11.727	91	1029168	26.510	ug/L	100
53) m,p-Xylene	11.836	106	400507	26.901	ug/L	98
54) o-Xylene	12.166	106	383532	27.041	ug/L	95
55) Styrene	12.178	104	679096	27.943	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	192611	25.683	ug/L	94
59) Bromoform	12.349	173	104733	24.696	ug/L	95
60) Isopropylbenzene	12.458	105	1047079	26.698	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	134147	24.571	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	870520	27.736	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	846863	27.847	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	458742	24.735	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	482480	25.031	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	429996	25.367	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	28686	23.727	ug/L	84
69) 1,3,5-Trichlorobenzene	14.623	180	324868	24.334	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	277534	26.231	ug/L	97
71) Naphthalene	15.360	128	475769	27.030	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	260126	27.234	ug/L	96

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

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