

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
 Data File : VW027561.D
 Acq On : 06 Dec 2023 11:34
 Operator : SY/MD
 Sample : VIBLK571
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK571

Quant Time: Dec 07 06:58:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 07 06:54:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	507	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.635	117	715	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	834	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.539	65	180	17.642	ug/L	0.18
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.560%
7) Chloroethane-d5	2.643	69	183	24.743	ug/L	-0.26
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.960%
11) 1,1-Dichloroethene-d2	4.021	65	131	30.344	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	121.360%#
21) 2-Butanone-d5	6.996	46	157	58.725	ug/L	-0.08
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.440%
24) Chloroform-d	7.661	84	89	5.881	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	23.520%#
26) 1,2-Dichloroethane-d4	8.301	65	574	74.171	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	296.680%#
32) Benzene-d6	8.288	84	243	4.825	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	19.320%#
36) 1,2-Dichloropropane-d6	9.288	67	196	13.202	ug/L	0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	52.800%#
41) Toluene-d8	10.319	98	1074	24.375	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.520%
43) trans-1,3-Dichloroprop...	10.575	79	769	133.950	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	535.800%#
47) 2-Hexanone-d5	10.922	63	1456	526.368	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1052.740%#
56) 1,1,2,2-Tetrachloroeth...	12.696	84	1112	91.064	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	364.240%#
66) 1,2-Dichlorobenzene-d4	13.848	152	2064	70.602	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	282.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.058	85	242	35.649	ug/L	96
3) Chloromethane	2.229	50	176	21.169	ug/L	93
5) Vinyl chloride	2.552	62	189	19.488	ug/L	89
6) Bromomethane	2.765	94	105	20.630	ug/L	91
8) Chloroethane	2.948	64	101	18.234	ug/L	100
9) Trichlorofluoromethane	3.302	101	46	4.952	ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	61	7.702	ug/L	# 41
12) 1,1-Dichloroethene	3.814	96	22	3.042	ug/L	81
13) Acetone	4.143	43	2878	1116.682	ug/L	74
14) Carbon disulfide	4.393	76	502	22.971	ug/L	# 82
15) Methyl Acetate	4.618	43	298	66.159	ug/L	98
16) Methylene chloride	4.923	84	4408	533.163	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	126	16.898	ug/L	72
18) Methyl tert-butyl Ether	5.429	73	41	3.409	ug/L	# 2
19) 1,1-Dichloroethane	6.216	63	161	10.617	ug/L	# 84
20) cis-1,2-Dichloroethene	7.179	96	237	29.595	ug/L	# 32
22) 2-Butanone	7.173	43	705	212.033	ug/L	97
23) Bromochloromethane	7.514	128	86	27.304	ug/L	# 79
25) Chloroform	7.697	83	121	8.788	ug/L	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.410	62	841	94.504	ug/L #	87
29) Cyclohexane	7.746	56	74	3.148	ug/L	84
30) 1,1,1-Trichloroethane	7.868	97	19	0.953	ug/L #	1
31) Carbon tetrachloride	8.221	117	52	2.989	ug/L	90
33) Benzene	8.325	78	1315	26.647	ug/L	100
34) Trichloroethene	9.093	95	540	40.062	ug/L #	66
35) Methylcyclohexane	9.325	83	191	7.958	ug/L #	60
37) 1,2-Dichloropropane	9.374	63	245	18.804	ug/L #	21
38) Bromodichloromethane	9.642	83	210	13.942	ug/L #	86
39) cis-1,3-Dichloropropene	10.087	75	360	19.140	ug/L	97
40) 4-Methyl-2-pentanone	10.215	43	1787	202.905	ug/L #	87
42) Toluene	10.441	91	65	1.245	ug/L	88
44) trans-1,3-Dichloropropene	10.611	75	1364	89.897	ug/L	95
45) 1,1,2-Trichloroethane	10.776	97	155	17.082	ug/L	83
46) Tetrachloroethene	10.867	164	243	25.288	ug/L #	71
48) 2-Hexanone	10.971	43	3313	533.762	ug/L #	94
49) Dibromochloromethane	11.136	129	362	40.360	ug/L	93
50) 1,2-Dibromoethane	11.239	107	665	80.104	ug/L #	69
51) Chlorobenzene	11.660	112	1711	54.337	ug/L	88
52) Ethylbenzene	11.727	91	2131	35.942	ug/L	93
53) m,p-Xylene	11.843	106	605	27.693	ug/L	90
54) o-Xylene	12.166	106	760	38.275	ug/L	60
55) Styrene	12.178	104	2280	67.275	ug/L #	78
57) 1,1,2,2-Tetrachloroethane	12.708	83	1191	100.822	ug/L #	95
59) Bromoform	12.343	173	156	13.355	ug/L #	72
60) Isopropylbenzene	12.465	105	2770	20.116	ug/L #	60
61) 1,2,3-Trichloropropane	12.763	75	1002	49.812	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.940	105	2912	28.592	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	3739	36.861	ug/L	95
64) 1,3-Dichlorobenzene	13.501	146	2991	56.707	ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	3309	62.896	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	3787	79.694	ug/L #	80
68) 1,2-Dibromo-3-chloropr...	14.476	75	1033	213.495	ug/L #	83
69) 1,3,5-Trichlorobenzene	14.623	180	5429	153.066	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	6786	246.382	ug/L	94
71) Naphthalene	15.360	128	19553	337.519	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.549	180	8615	365.135	ug/L	98

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

