

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121323\
 Data File : VW027604.D
 Acq On : 13 Dec 2023 19:01
 Operator : SY/MD
 Sample : 05806-02
 Misc : 7.12g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E0LR5

Quant Time: Dec 14 00:20:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 13 04:25:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.928	114	58	25.000	ug/L	# 0.09
28) Chlorobenzene-d5	11.629	117	86	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.513	152	47	25.000	ug/L	-0.04
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.485	65	135	115.665	ug/L	0.12
Spiked Amount 25.000	Range 30	- 150	Recovery	= 462.640	%#	
7) Chloroethane-d5	2.887	69	63	74.459	ug/L	-0.01
Spiked Amount 25.000	Range 30	- 150	Recovery	= 297.840	%#	
11) 1,1-Dichloroethene-d2	4.027	65	19	38.471	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	= 153.880	%#	
21) 2-Butanone-d5	6.965	46	143	467.562	ug/L	-0.12
Spiked Amount 50.000	Range 20	- 135	Recovery	= 935.120	%#	
24) Chloroform-d	7.648	84	90	51.986	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	= 207.960	%#	
26) 1,2-Dichloroethane-d4	8.313	65	72	81.327	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	= 325.320	%#	
32) Benzene-d6	8.294	84	158	26.085	ug/L	0.02
Spiked Amount 25.000	Range 20	- 135	Recovery	= 104.320	%	
36) 1,2-Dichloropropane-d6	9.282	67	60	33.601	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	= 134.400	%#	
41) Toluene-d8	10.331	98	70	13.208	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	= 52.840	%	
43) trans-1,3-Dichloroprop...	10.587	79	46	66.616	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	= 266.480	%#	
47) 2-Hexanone-d5	10.910	63	48	144.270	ug/L	-0.01
Spiked Amount 50.000	Range 20	- 135	Recovery	= 288.540	%#	
56) 1,1,2,2-Tetrachloroeth...	12.660	84	71	48.340	ug/L	-0.03
Spiked Amount 25.000	Range 45	- 120	Recovery	= 193.360	%#	
66) 1,2-Dichlorobenzene-d4	13.891	152	79	47.951	ug/L	0.04
Spiked Amount 25.000	Range 75	- 120	Recovery	= 191.800	%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.052	85	150	193.153	ug/L #	41
3) Chloromethane	2.174	50	106	111.448	ug/L	91
5) Vinyl chloride	2.381	62	109	98.246	ug/L #	43
6) Bromomethane	2.625	94	30	51.525	ug/L	99
8) Chloroethane	2.826	64	198	312.468	ug/L	85
9) Trichlorofluoromethane	3.143	101	121	113.875	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.094	101	79	87.189	ug/L #	1
12) 1,1-Dichloroethene	3.966	96	47	56.813	ug/L #	54
13) Acetone	4.088	43	215	729.217	ug/L	48
14) Carbon disulfide	4.405	76	24	9.600	ug/L #	74
15) Methyl Acetate	4.679	43	88	170.779	ug/L #	33
16) Methylene chloride	5.063	84	89	94.100	ug/L	86
17) trans-1,2-Dichloroethene	5.417	96	135	158.258	ug/L #	14
18) Methyl tert-butyl Ether	5.380	73	51	37.065	ug/L #	1
19) 1,1-Dichloroethane	6.240	63	70	40.351	ug/L #	50
20) cis-1,2-Dichloroethene	7.154	96	156	170.287	ug/L #	1
22) 2-Butanone	7.185	43	142	373.321	ug/L	87
23) Bromochloromethane	7.398	128	21	58.281	ug/L #	63
25) Chloroform	7.709	83	74	46.980	ug/L	81

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

27) 1,2-Dichloroethane	8.404	62	61	59.919	ug/L #	75
29) Cyclohexane	7.947	56	207	73.214	ug/L #	88
30) 1,1,1-Trichloroethane	7.862	97	71	29.596	ug/L #	3
31) Carbon tetrachloride	8.105	117	37	17.682	ug/L #	2
33) Benzene	8.343	78	74	12.467	ug/L	100
34) Trichloroethene	9.087	95	44	27.139	ug/L #	20
35) Methylcyclohexane	9.294	83	82	28.405	ug/L	91
37) 1,2-Dichloropropane	9.367	63	110	70.191	ug/L #	86
38) Bromodichloromethane	9.630	83	98	54.092	ug/L #	24
39) cis-1,3-Dichloropropene	10.075	75	52	22.985	ug/L #	1
40) 4-Methyl-2-pentanone	10.215	43	118	111.393	ug/L #	45
42) Toluene	10.239	91	82	13.062	ug/L	81
44) trans-1,3-Dichloropropene	10.660	75	213	116.713	ug/L #	1
45) 1,1,2-Trichloroethane	10.782	97	99	90.708	ug/L #	44
48) 2-Hexanone	10.953	43	35	46.881	ug/L #	1
49) Dibromochloromethane	11.099	129	102	94.546	ug/L	89
50) 1,2-Dibromoethane	11.227	107	23	23.034	ug/L #	80
51) Chlorobenzene	11.654	112	42	11.089	ug/L #	1
52) Ethylbenzene	11.739	91	63	8.834	ug/L #	47
53) m,p-Xylene	11.849	106	19	7.231	ug/L	84
54) o-Xylene	12.123	106	82	34.334	ug/L	98
55) Styrene	12.166	104	72	17.663	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.720	83	11	7.742	ug/L #	57
59) Bromoform	12.190	173	43	65.323	ug/L #	19
60) Isopropylbenzene	12.471	105	88	11.340	ug/L #	26
61) 1,2,3-Trichloropropane	12.763	75	42	37.049	ug/L #	39
62) 1,3,5-Trimethylbenzene	13.123	105	95	16.552	ug/L	89
63) 1,2,4-Trimethylbenzene	13.166	105	167	29.215	ug/L	92
64) 1,3-Dichlorobenzene	13.513	146	54	18.167	ug/L #	1
65) 1,4-Dichlorobenzene	13.617	146	49	16.527	ug/L #	24
67) 1,2-Dichlorobenzene	13.873	146	47	17.551	ug/L #	53
69) 1,3,5-Trichlorobenzene	14.738	180	54	27.016	ug/L #	27
70) 1,2,4-trichlorobenzene	15.062	180	56	36.079	ug/L #	10
71) Naphthalene	15.354	128	19	5.820	ug/L #	69
72) 1,2,3-Trichlorobenzene	15.238	180	41	30.835	ug/L #	25

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

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