

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121323\
 Data File : VW027600.D
 Acq On : 13 Dec 2023 17:27
 Operator : SY/MD
 Sample : 05806-08
 Misc : 5.01g/10mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E0LQ8MSD

Quant Time: Dec 14 00:19:45 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	8.837	114	68	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.642	117	62	25.000	ug/L	# 0.01
58) 1,4-Dichlorobenzene-d4	13.739	152	51	25.000	ug/L	# 0.18
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.271	65	50	36.539	ug/L	-0.10
Spiked Amount	25.000	Range	30 - 150	Recovery	= 146.160%	
7) Chloroethane-d5	2.911	69	124	125.001	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	= 500.000%#	
11) 1,1-Dichloroethene-d2	4.021	65	90	155.434	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 621.720%#	
21) 2-Butanone-d5	7.179	46	123	343.026	ug/L	0.10
Spiked Amount	50.000	Range	20 - 135	Recovery	= 686.060%#	
24) Chloroform-d	7.618	84	42	20.692	ug/L	-0.04
Spiked Amount	25.000	Range	40 - 150	Recovery	= 82.760%	
26) 1,2-Dichloroethane-d4	8.295	65	47	45.281	ug/L	-0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	= 181.120%#	
32) Benzene-d6	8.276	84	69	15.801	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 63.200%	
36) 1,2-Dichloropropane-d6	9.282	67	51	39.617	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 158.480%#	
41) Toluene-d8	10.331	98	108	28.267	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 113.080%	
43) trans-1,3-Dichloroprop...	10.526	79	25	50.219	ug/L	-0.05
Spiked Amount	25.000	Range	30 - 135	Recovery	= 200.880%#	
47) 2-Hexanone-d5	10.953	63	61	254.315	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	= 508.640%#	
56) 1,1,2,2-Tetrachloroeth...	12.763	84	46	43.442	ug/L	0.07
Spiked Amount	25.000	Range	45 - 120	Recovery	= 173.760%#	
66) 1,2-Dichlorobenzene-d4	13.739	152	51	28.528	ug/L	-0.11
Spiked Amount	25.000	Range	75 - 120	Recovery	= 114.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.009	85	51	56.014	ug/L	# 1
3) Chloromethane	2.223	50	145	130.033	ug/L	89
5) Vinyl chloride	2.296	62	162	124.544	ug/L	99
6) Bromomethane	2.796	94	25	36.623	ug/L	78
8) Chloroethane	3.039	64	273	367.470	ug/L	89
9) Trichlorofluoromethane	3.295	101	72	57.796	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	4.088	101	32	30.123	ug/L	# 22
12) 1,1-Dichloroethene	3.978	96	48	49.489	ug/L	83
13) Acetone	4.112	43	177	512.048	ug/L	47
14) Carbon disulfide	4.375	76	54	18.423	ug/L	# 74
15) Methyl Acetate	4.753	43	230	380.713	ug/L	97
16) Methylene chloride	4.673	84	56	50.502	ug/L	79
17) trans-1,2-Dichloroethene	5.448	96	49	48.995	ug/L	# 64
18) Methyl tert-butyl Ether	5.417	73	39	24.176	ug/L	# 1
19) 1,1-Dichloroethane	6.216	63	98	48.184	ug/L	# 59
20) cis-1,2-Dichloroethene	7.118	96	45	41.897	ug/L	# 51
22) 2-Butanone	7.203	43	225	504.541	ug/L	96
23) Bromochloromethane	7.490	128	87	205.944	ug/L	# 10
25) Chloroform	7.904	83	72	38.988	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	32	26.810	ug/L #	75
29) Cyclohexane	7.959	56	108	52.985	ug/L #	62
30) 1,1,1-Trichloroethane	7.850	97	75	43.365	ug/L #	43
31) Carbon tetrachloride	8.069	117	21	13.921	ug/L #	2
33) Benzene	8.301	78	108	25.239	ug/L	100
34) Trichloroethene	9.105	95	39	33.367	ug/L #	24
35) Methylcyclohexane	9.349	83	82	39.400	ug/L #	11
37) 1,2-Dichloropropane	9.331	63	61	53.992	ug/L #	1
38) Bromodichloromethane	9.654	83	73	55.891	ug/L #	24
39) cis-1,3-Dichloropropene	10.081	75	52	31.883	ug/L #	45
40) 4-Methyl-2-pentanone	10.203	43	49	64.162	ug/L #	1
42) Toluene	10.191	91	43	9.501	ug/L	96
44) trans-1,3-Dichloropropene	10.599	75	101	76.766	ug/L #	15
45) 1,1,2-Trichloroethane	10.825	97	80	101.674	ug/L #	36
46) Tetrachloroethene	11.008	164	48	57.605	ug/L #	1
48) 2-Hexanone	10.959	43	42	78.035	ug/L #	1
49) Dibromochloromethane	10.922	129	47	60.430	ug/L #	12
50) 1,2-Dibromoethane	11.233	107	55	76.403	ug/L #	6
51) Chlorobenzene	11.635	112	44	16.114	ug/L #	15
52) Ethylbenzene	11.721	91	20	3.890	ug/L #	47
53) m,p-Xylene	11.776	106	50	26.394	ug/L #	19
54) o-Xylene	12.221	106	59	34.267	ug/L #	14
55) Styrene	12.312	104	60	20.417	ug/L #	62
57) 1,1,2,2-Tetrachloroethane	12.684	83	127	123.983	ug/L #	28
59) Bromoform	12.123	173	46	64.400	ug/L #	7
60) Isopropylbenzene	12.471	105	71	8.432	ug/L #	1
61) 1,2,3-Trichloropropane	12.788	75	41	33.331	ug/L #	1
62) 1,3,5-Trimethylbenzene	13.184	105	45	7.225	ug/L	99
63) 1,2,4-Trimethylbenzene	13.184	105	45	7.255	ug/L	96
64) 1,3-Dichlorobenzene	13.489	146	24	7.441	ug/L #	1
65) 1,4-Dichlorobenzene	13.501	146	26	8.082	ug/L #	30
67) 1,2-Dichlorobenzene	13.684	146	50	17.207	ug/L #	25
69) 1,3,5-Trichlorobenzene	14.592	180	39	17.981	ug/L #	36
70) 1,2,4-trichlorobenzene	15.226	180	64	37.999	ug/L #	25
71) Naphthalene	15.056	128	91	25.688	ug/L #	69
72) 1,2,3-Trichlorobenzene	15.403	180	41	28.417	ug/L #	1

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

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