

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122023\
 Data File : VW033517.D
 Acq On : 20 Dec 2023 17:14
 Operator : SY/MD
 Sample : 05927-11
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH3D4

Quant Time: Dec 21 01:49:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 21 01:43:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.558	114	80	50.000	ug/L	# 0.03
28) Chlorobenzene-d5	8.802	117	1875	50.000	ug/L	# 0.02
58) 1,4-Dichlorobenzene-d4	11.194	152	2248	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.481	65	126	204.522	ug/L	0.20
Spiked Amount	50.000	Range	60 - 135	Recovery	= 409.040%#	
7) Chloroethane-d5	1.535	69	211	381.643	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 763.280%#	
11) 1,1-Dichloroethene-d2	2.063	65	241	785.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 1571.680%#	
21) 2-Butanone-d5	3.776	46	90	289.861	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 289.860%#	
24) Chloroform-d	4.249	84	159	130.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 260.940%#	
26) 1,2-Dichloroethane-d4	4.953	65	199	265.820	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	= 531.640%#	
32) Benzene-d6	4.989	84	678	13.426	ug/L	0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	= 26.860%#	
36) 1,2-Dichloropropane-d6	5.976	67	65	4.241	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 8.480%#	
41) Toluene-d8	7.265	98	466	10.085	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	= 20.160%#	
43) trans-1,3-Dichloroprop...	7.606	79	168	22.366	ug/L	0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	= 44.740%#	
47) 2-Hexanone-d5	8.069	63	69	13.385	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	= 13.380%#	
56) 1,1,2,2-Tetrachloroeth...	10.165	84	832	37.769	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	= 75.540%	
66) 1,2-Dichlorobenzene-d4	11.570	152	2015	47.700	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 95.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.220	50	163	269.378	ug/L	# 40
5) Vinyl chloride	1.285	62	1381	2128.941	ug/L	91
6) Bromomethane	1.445	94	44	94.758	ug/L	91
8) Chloroethane	1.339	64	1475	3368.197	ug/L	# 63
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	48	72.331	ug/L	# 1
12) 1,1-Dichloroethene	2.072	96	363	643.902	ug/L	89
13) Acetone	2.121	43	547	1517.703	ug/L	80
14) Carbon disulfide	2.249	76	663	460.212	ug/L	# 74
15) Methyl Acetate	2.178	43	213	413.809	ug/L	91
16) Methylene chloride	2.452	84	194	308.119	ug/L	# 27
17) trans-1,2-Dichloroethene	2.696	96	40	75.066	ug/L	# 80
18) Methyl tert-butyl Ether	2.645	73	42	25.955	ug/L	# 1
19) 1,1-Dichloroethane	3.124	63	1566	1533.373	ug/L	# 92
20) cis-1,2-Dichloroethene	3.821	96	24412	40406.077	ug/L	91
22) 2-Butanone	3.860	43	88	247.829	ug/L	# 50
25) Chloroform	4.497	83	44	38.284	ug/L	# 17
27) 1,2-Dichloroethane	5.011	62	91	102.718	ug/L	# 73
29) Cyclohexane	4.577	56	64	3.787	ug/L	# 13
30) 1,1,1-Trichloroethane	4.522	97	145	6.264	ug/L	# 34

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

33) Benzene	5.027	78	457	9.144	ug/L	100
34) Trichloroethene	5.841	95	11784	859.473	ug/L	96
35) Methylcyclohexane	5.979	83	42	2.136	ug/L #	53
37) 1,2-Dichloropropane	6.018	63	119	8.780	ug/L #	86
38) Bromodichloromethane	6.442	83	42	2.153	ug/L #	25
39) cis-1,3-Dichloropropene	6.944	75	50	2.536	ug/L #	43
40) 4-Methyl-2-pentanone	7.149	43	140	9.680	ug/L #	44
42) Toluene	7.355	91	112	2.114	ug/L #	21
44) trans-1,3-Dichloropropene	7.542	75	40	2.022	ug/L #	43
48) 2-Hexanone	8.059	43	94	7.792	ug/L #	39
50) 1,2-Dibromoethane	8.210	107	64	4.395	ug/L #	7
51) Chlorobenzene	8.828	112	1420	37.199	ug/L #	76
52) Ethylbenzene	8.960	91	43	0.729	ug/L #	44
55) Styrene	9.480	104	47	1.237	ug/L #	33
61) 1,2,3-Trichloropropane	10.181	75	90	2.498	ug/L #	13
64) 1,3-Dichlorobenzene	11.140	146	91	1.372	ug/L #	24
65) 1,4-Dichlorobenzene	11.213	146	236	3.305	ug/L #	81
67) 1,2-Dichlorobenzene	11.590	146	375	5.430	ug/L #	61
69) 1,3,5-Trichlorobenzene	12.139	180	41	0.894	ug/L #	18
70) 1,2,4-trichlorobenzene	13.204	180	198	4.937	ug/L #	62

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

