

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062123\
 Data File : VW031600.D
 Acq On : 21 Jun 2023 11:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050378

Quant Time: Jun 22 02:12:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 17 02:08:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	245747	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	241419	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	152363	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	86877	53.119	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.240%
7) Chloroethane-d5	1.536	69	71514	50.113	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.220%
11) 1,1-Dichloroethene-d2	2.063	65	41929	49.742	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.480%
21) 2-Butanone-d5	3.796	46	107595	81.245	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.240%
24) Chloroform-d	4.256	84	185245	45.225	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.460%
26) 1,2-Dichloroethane-d4	4.947	65	115879	45.217	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.440%
32) Benzene-d6	4.966	84	346168	50.941	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.880%
36) 1,2-Dichloropropane-d6	5.992	67	112088	46.538	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.080%
41) Toluene-d8	7.249	98	328423	52.667	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.340%
43) trans-1,3-Dichloroprop...	7.555	79	55459	47.234	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.460%
47) 2-Hexanone-d5	8.031	63	84286	88.633	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.630%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	160964	44.277	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.560%
66) 1,2-Dichlorobenzene-d4	11.564	152	130732	45.013	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	113302	43.467	ug/L	97
3) Chloromethane	1.217	50	97721	39.729	ug/L	100
5) Vinyl chloride	1.288	62	103655	42.512	ug/L	99
6) Bromomethane	1.494	94	70478	44.349	ug/L	97
8) Chloroethane	1.555	64	65669	41.699	ug/L	96
9) Trichlorofluoromethane	1.719	101	185292	45.678	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	103340	47.538	ug/L	98
12) 1,1-Dichloroethene	2.076	96	86138	47.372	ug/L	91
13) Acetone	2.124	43	109799	84.022	ug/L	99
14) Carbon disulfide	2.246	76	254336	46.240	ug/L	99
15) Methyl Acetate	2.378	43	95328	43.327	ug/L	97
16) Methylene chloride	2.455	84	103292	45.310	ug/L	92
17) trans-1,2-Dichloroethene	2.700	96	89307	47.052	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	294045	46.429	ug/L	99
19) 1,1-Dichloroethane	3.118	63	188191	45.939	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	97845	47.701	ug/L	94
22) 2-Butanone	3.876	43	138102	84.595	ug/L	100
23) Bromochloromethane	4.153	128	54008	48.710	ug/L	95
25) Chloroform	4.285	83	207209	48.658	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	149278	45.419	ug/L	98
29) Cyclohexane	4.593	56	145234	46.239	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	182338	47.108	ug/L	99
31) Carbon tetrachloride	4.741	117	168240	49.056	ug/L	99
33) Benzene	5.018	78	383344	47.693	ug/L	100
34) Trichloroethene	5.838	95	104809	48.798	ug/L	98
35) Methylcyclohexane	6.056	83	159040	50.254	ug/L	97
37) 1,2-Dichloropropane	6.098	63	108561	45.996	ug/L	99
38) Bromodichloromethane	6.436	83	153268	48.043	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	168691	48.148	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	259755	93.726	ug/L	98
42) Toluene	7.320	91	426553	51.184	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	168121	49.274	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	108935	48.858	ug/L	99
46) Tetrachloroethene	7.912	164	85341	50.626	ug/L	98
48) 2-Hexanone	8.082	43	208906	94.382	ug/L	98
49) Dibromochloromethane	8.182	129	125722	50.735	ug/L	95
50) 1,2-Dibromoethane	8.288	107	114441	48.205	ug/L	100
51) Chlorobenzene	8.818	112	272761	49.418	ug/L	98
52) Ethylbenzene	8.950	91	462371	49.722	ug/L	100
53) m,p-Xylene	9.079	106	176343	51.783	ug/L	99
54) o-Xylene	9.484	106	164646	50.947	ug/L	98
55) Styrene	9.500	104	308496	53.451	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.182	83	172975	47.481	ug/L	95
59) Bromoform	9.670	173	95238	50.427	ug/L #	99
60) Isopropylbenzene	9.873	105	467988	48.179	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	133162	44.249	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	389043	48.460	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	365297	48.835	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	237128	48.693	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	249922	48.160	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	234730	47.756	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	38506	43.111	ug/L	99
69) 1,3,5-Trichlorobenzene	12.587	180	177654	47.876	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	156273	48.046	ug/L	98
71) Naphthalene	13.445	128	388755	47.187	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	163396	48.342	ug/L	98

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

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