

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U061024\
 Data File : VU059196.D
 Acq On : 10 Jun 2024 09:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050180

Quant Time: Jun 11 05:53:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 01:56:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	308325	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	299583	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	160101	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87964	47.649	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.300%
7) Chloroethane-d5	1.907	69	76653	48.472	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.940%
11) 1,1-Dichloroethene-d2	2.563	63	176826	48.527	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.060%
21) 2-Butanone-d5	4.612	46	115579	66.423	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.420%
24) Chloroform-d	5.052	84	170884	46.499	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.692	65	99690	44.258	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.520%
32) Benzene-d6	5.718	84	342730	49.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.700%
36) 1,2-Dichloropropane-d6	6.682	67	103693	43.738	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.480%
41) Toluene-d8	7.891	98	314502	53.881	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.760%
43) trans-1,3-Dichloroprop...	8.174	79	46761	48.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.600%
47) 2-Hexanone-d5	8.624	63	83265	75.949	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.950%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	155803	38.831	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.660%
66) 1,2-Dichlorobenzene-d4	12.187	152	116368	48.705	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	145721	46.645	ug/L	98
3) Chloromethane	1.515	50	145446	40.284	ug/L	99
5) Vinyl chloride	1.599	62	161907	45.636	ug/L	100
6) Bromomethane	1.853	94	105464	37.157	ug/L	100
8) Chloroethane	1.930	64	97982	44.288	ug/L	100
9) Trichlorofluoromethane	2.132	101	206418	49.999	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	128769	53.609	ug/L	93
12) 1,1-Dichloroethene	2.573	96	119071	54.654	ug/L	86
13) Acetone	2.615	43	172746	84.461	ug/L	97
14) Carbon disulfide	2.788	76	365757	49.849	ug/L	100
15) Methyl Acetate	2.936	43	135656	41.873	ug/L	98
16) Methylene chloride	3.036	84	136653	46.357	ug/L	90
17) trans-1,2-Dichloroethene	3.345	96	123183	52.386	ug/L	90
18) Methyl tert-butyl Ether	3.351	73	381794	49.985	ug/L	96
19) 1,1-Dichloroethane	3.859	63	229803	45.593	ug/L	96
20) cis-1,2-Dichloroethene	4.657	96	139660	52.121	ug/L	90
22) 2-Butanone	4.689	43	207398	83.758	ug/L	94
23) Bromochloromethane	4.965	128	71802	52.901	ug/L	86
25) Chloroform	5.078	83	241534	49.490	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	183920	44.610	ug/L	99
29) Cyclohexane	5.380	56	199953	49.993	ug/L	95
30) 1,1,1-Trichloroethane	5.306	97	197296	50.651	ug/L	97
31) Carbon tetrachloride	5.515	117	166641	52.669	ug/L	100
33) Benzene	5.766	78	532117	49.189	ug/L	100
34) Trichloroethene	6.534	95	143265	54.087	ug/L	95
35) Methylcyclohexane	6.756	83	218593	56.127	ug/L	92
37) 1,2-Dichloropropane	6.782	63	142447	46.373	ug/L	99
38) Bromodichloromethane	7.097	83	179620	50.199	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	217762	51.236	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	366868	91.099	ug/L #	96
42) Toluene	7.962	91	577796	53.211	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	196960	51.189	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	142018	51.421	ug/L	98
46) Tetrachloroethene	8.547	164	106784	60.523	ug/L	92
48) 2-Hexanone	8.676	43	293094	86.294	ug/L #	96
49) Dibromochloromethane	8.801	129	139857	56.033	ug/L	98
50) 1,2-Dibromoethane	8.917	107	148700	52.194	ug/L	99
51) Chlorobenzene	9.441	112	360439	54.997	ug/L	96
52) Ethylbenzene	9.563	91	616926	55.109	ug/L	97
53) m,p-Xylene	9.688	106	232365	56.478	ug/L	97
54) o-Xylene	10.094	106	226511	56.808	ug/L	95
55) Styrene	10.106	104	396004	58.428	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.772	83	232791	46.270	ug/L	99
59) Bromoform	10.283	173	112640	53.659	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	187380	42.087	ug/L	99
61) Isopropylbenzene	10.476	105	609120	54.079	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	446226	54.679	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	490496	55.444	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	287142	54.545	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	295938	54.433	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	284520	51.710	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	51001	45.185	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.212	180	206818	59.487	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	177845	64.046	ug/L	99
71) Naphthalene	14.081	128	512240	58.279	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	181271	64.210	ug/L	98

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

