

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U061824\
 Data File : VU059335.D
 Acq On : 19 Jun 2024 00:58
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050186

Quant Time: Jun 19 05:41:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 05:32:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	197467	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	198056	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	107706	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54000	45.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.340%
7) Chloroethane-d5	1.907	69	51288	50.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.280%
11) 1,1-Dichloroethene-d2	2.563	63	111259	47.674	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.340%
21) 2-Butanone-d5	4.611	46	95706	85.880	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.880%
24) Chloroform-d	5.055	84	117105	49.754	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.500%
26) 1,2-Dichloroethane-d4	5.695	65	70072	48.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.140%
32) Benzene-d6	5.721	84	227770	50.107	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.220%
36) 1,2-Dichloropropane-d6	6.685	67	72024	45.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.900%
41) Toluene-d8	7.891	98	207868	53.867	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.740%
43) trans-1,3-Dichloroprop...	8.174	79	27951	44.118	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.240%
47) 2-Hexanone-d5	8.627	63	62346	86.020	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.020%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	114505	43.167	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.340%
66) 1,2-Dichlorobenzene-d4	12.187	152	81019	50.406	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	99000	49.481	ug/L	99
3) Chloromethane	1.518	50	105339	45.555	ug/L	99
5) Vinyl chloride	1.602	62	119243	52.480	ug/L	100
6) Bromomethane	1.850	94	75610	41.594	ug/L	98
8) Chloroethane	1.927	64	73256	51.701	ug/L	99
9) Trichlorofluoromethane	2.132	101	148837	56.291	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	86847	56.454	ug/L	92
12) 1,1-Dichloroethene	2.573	96	82655	59.238	ug/L	84
13) Acetone	2.615	43	94683	72.283	ug/L	95
14) Carbon disulfide	2.785	76	235743	50.167	ug/L	100
15) Methyl Acetate	2.940	43	107443	51.782	ug/L	97
16) Methylene chloride	3.036	84	102741	54.420	ug/L	90
17) trans-1,2-Dichloroethene	3.345	96	86860	57.677	ug/L	91
18) Methyl tert-butyl Ether	3.354	73	270683	55.333	ug/L	96
19) 1,1-Dichloroethane	3.859	63	169033	52.364	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	99927	58.228	ug/L	92
22) 2-Butanone	4.689	43	150983	95.206	ug/L	92
23) Bromochloromethane	4.965	128	53208	61.210	ug/L	82
25) Chloroform	5.081	83	173715	55.577	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	138905	52.606	ug/L	98
29) Cyclohexane	5.383	56	127237	48.120	ug/L	91
30) 1,1,1-Trichloroethane	5.306	97	140843	54.694	ug/L	98
31) Carbon tetrachloride	5.518	117	116480	55.687	ug/L	98
33) Benzene	5.766	78	387158	54.135	ug/L	100
34) Trichloroethene	6.537	95	102812	58.711	ug/L	92
35) Methylcyclohexane	6.756	83	133893	52.003	ug/L	93
37) 1,2-Dichloropropane	6.785	63	103127	50.782	ug/L	99
38) Bromodichloromethane	7.100	83	127643	53.960	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	139271	49.566	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	280891	105.505	ug/L #	96
42) Toluene	7.965	91	411567	57.332	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	127011	49.931	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	104403	57.179	ug/L	98
46) Tetrachloroethene	8.547	164	76622	65.690	ug/L	90
48) 2-Hexanone	8.676	43	228564	101.792	ug/L #	98
49) Dibromochloromethane	8.804	129	97841	59.293	ug/L	97
50) 1,2-Dibromoethane	8.917	107	109843	58.320	ug/L	98
51) Chlorobenzene	9.441	112	260700	60.170	ug/L	95
52) Ethylbenzene	9.566	91	428799	57.939	ug/L	99
53) m,p-Xylene	9.688	106	163540	60.125	ug/L	94
54) o-Xylene	10.094	106	162677	61.713	ug/L	93
55) Styrene	10.110	104	281501	62.825	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.775	83	178215	53.580	ug/L	96
59) Bromoform	10.283	173	79363	56.198	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	140700	46.976	ug/L	98
61) Isopropylbenzene	10.479	105	431072	56.889	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	321427	58.546	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	378375	63.576	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	208953	59.001	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	209663	57.324	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	207392	56.029	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	38524	50.735	ug/L	84
69) 1,3,5-Trichlorobenzene	13.216	180	139365	59.586	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	118234	63.292	ug/L	99
71) Naphthalene	14.081	128	380039	64.272	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	126377	66.543	ug/L	98

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

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