

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071124\
 Data File : VU059910.D
 Acq On : 11 Jul 2024 16:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050081

Quant Time: Jul 12 02:07:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 02:03:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	240244	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	245995	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	133007	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	69583	45.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.220%
7) Chloroethane-d5	1.907	69	60570	46.683	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.360%
11) 1,1-Dichloroethene-d2	2.563	63	120189	43.858	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.720%
21) 2-Butanone-d5	4.611	46	112358	104.812	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.810%
24) Chloroform-d	5.052	84	150143	50.263	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.520%
26) 1,2-Dichloroethane-d4	5.692	65	86254	48.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.120%
32) Benzene-d6	5.721	84	289586	45.972	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.940%
36) 1,2-Dichloropropane-d6	6.682	67	91820	47.097	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.200%
41) Toluene-d8	7.891	98	269750	45.030	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.060%
43) trans-1,3-Dichloroprop...	8.174	79	41066	45.014	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.020%
47) 2-Hexanone-d5	8.624	63	78821	95.932	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.930%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	150654	50.346	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.700%
66) 1,2-Dichlorobenzene-d4	12.187	152	106536	43.589	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.180%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	72871	48.840	ug/L	99
3) Chloromethane	1.518	50	81489	55.657	ug/L	97
5) Vinyl chloride	1.602	62	90404	52.598	ug/L	99
6) Bromomethane	1.849	94	56047	62.080	ug/L	100
8) Chloroethane	1.930	64	59297	52.992	ug/L	99
9) Trichlorofluoromethane	2.132	101	121049	50.587	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	77384	50.805	ug/L	99
12) 1,1-Dichloroethene	2.573	96	70026	49.159	ug/L	93
13) Acetone	2.618	43	87025	78.836	ug/L	97
14) Carbon disulfide	2.788	76	172658	48.023	ug/L	97
15) Methyl Acetate	2.939	43	87907	52.820	ug/L	98
16) Methylene chloride	3.039	84	87472	48.696	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	72781	49.629	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	228022	47.873	ug/L	99
19) 1,1-Dichloroethane	3.859	63	146318	52.606	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	87691	49.381	ug/L	97
22) 2-Butanone	4.692	43	125455	92.373	ug/L	98
23) Bromochloromethane	4.968	128	48016	51.263	ug/L	95
25) Chloroform	5.078	83	156429	52.264	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	116211	51.145	ug/L	98
29) Cyclohexane	5.380	56	96192	43.671	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	125187	49.123	ug/L	98
31) Carbon tetrachloride	5.518	117	101528	48.230	ug/L	100
33) Benzene	5.766	78	333727	50.239	ug/L	100
34) Trichloroethene	6.537	95	85372	48.160	ug/L	98
35) Methylcyclohexane	6.756	83	106633	43.556	ug/L	97
37) 1,2-Dichloropropane	6.782	63	93122	50.930	ug/L	99
38) Bromodichloromethane	7.097	83	117061	50.528	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	131950	47.167	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	229158	99.161	ug/L	99
42) Toluene	7.962	91	365192	50.358	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	123919	48.224	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	95955	50.110	ug/L	97
46) Tetrachloroethene	8.547	164	67464	46.262	ug/L	97
48) 2-Hexanone	8.676	43	190188	98.334	ug/L	99
49) Dibromochloromethane	8.801	129	92089	48.809	ug/L	100
50) 1,2-Dibromoethane	8.917	107	99160	49.527	ug/L	97
51) Chlorobenzene	9.441	112	232122	48.214	ug/L	100
52) Ethylbenzene	9.563	91	365338	47.175	ug/L	100
53) m,p-Xylene	9.688	106	143795	47.688	ug/L	97
54) o-Xylene	10.094	106	139487	48.106	ug/L	99
55) Styrene	10.110	104	250145	51.135	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	168706	52.243	ug/L	99
59) Bromoform	10.283	173	77936	48.461	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	127366	50.456	ug/L	99
61) Isopropylbenzene	10.479	105	363132	46.836	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	253069	44.587	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	275046	45.241	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	190953	47.490	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	195113	46.940	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	190592	46.921	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	34103	49.401	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	131922	45.505	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	111325	42.605	ug/L	100
71) Naphthalene	14.080	128	319065	42.254	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	121083	46.187	ug/L	99

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

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