

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080124\
 Data File : VU060286.D
 Acq On : 01 Aug 2024 09:13
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

Quant Time: Aug 02 02:24:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 00:19:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	237014	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240378	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117863	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87002	57.171	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.340%
7) Chloroethane-d5	1.901	69	68534	53.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.080%
11) 1,1-Dichloroethene-d2	2.560	63	130913	48.423	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.840%
21) 2-Butanone-d5	4.611	46	107387	101.540	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.540%
24) Chloroform-d	5.055	84	146188	49.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.220%
26) 1,2-Dichloroethane-d4	5.692	65	84298	48.108	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.220%
32) Benzene-d6	5.718	84	291842	47.413	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.820%
36) 1,2-Dichloropropane-d6	6.682	67	96380	50.591	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.180%
41) Toluene-d8	7.891	98	263857	45.076	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
43) trans-1,3-Dichloroprop...	8.174	79	37212	41.743	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.480%
47) 2-Hexanone-d5	8.624	63	67741	84.373	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.370%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	143079	48.932	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.860%
66) 1,2-Dichlorobenzene-d4	12.187	152	93784	43.301	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	58423	39.690	ug/L	99
3) Chloromethane	1.518	50	72553	50.229	ug/L	94
5) Vinyl chloride	1.602	62	78977	46.576	ug/L	99
6) Bromomethane	1.843	94	50746	56.974	ug/L	98
8) Chloroethane	1.924	64	53267	48.252	ug/L	98
9) Trichlorofluoromethane	2.132	101	109229	46.269	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	71709	47.721	ug/L	96
12) 1,1-Dichloroethene	2.573	96	63430	45.135	ug/L	95
13) Acetone	2.618	43	74961	68.833	ug/L	95
14) Carbon disulfide	2.788	76	136811	38.571	ug/L	98
15) Methyl Acetate	2.940	43	91394	55.663	ug/L	93
16) Methylene chloride	3.036	84	87749	49.516	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	63873	44.148	ug/L	94
18) Methyl tert-butyl Ether	3.354	73	226259	48.150	ug/L	97
19) 1,1-Dichloroethane	3.859	63	146107	53.246	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	81925	46.763	ug/L	97
22) 2-Butanone	4.692	43	123023	91.817	ug/L	97
23) Bromochloromethane	4.965	128	42646	46.150	ug/L #	91
25) Chloroform	5.078	83	154333	52.267	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	109670	48.924	ug/L	99
29) Cyclohexane	5.380	56	90361	41.982	ug/L	94
30) 1,1,1-Trichloroethane	5.306	97	117959	47.369	ug/L	99
31) Carbon tetrachloride	5.518	117	100554	48.883	ug/L	99
33) Benzene	5.766	78	322992	49.759	ug/L	100
34) Trichloroethene	6.534	95	79687	46.003	ug/L	94
35) Methylcyclohexane	6.756	83	94914	39.675	ug/L	93
37) 1,2-Dichloropropane	6.785	63	95569	53.489	ug/L	99
38) Bromodichloromethane	7.097	83	118202	52.213	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	115941	42.413	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	241861	107.103	ug/L	98
42) Toluene	7.962	91	341974	48.258	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	109820	43.736	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	95113	50.831	ug/L	98
46) Tetrachloroethene	8.547	164	57064	40.045	ug/L	95
48) 2-Hexanone	8.676	43	191619	101.389	ug/L	99
49) Dibromochloromethane	8.801	129	92504	50.174	ug/L	100
50) 1,2-Dibromoethane	8.917	107	94090	48.093	ug/L	100
51) Chlorobenzene	9.441	112	216651	46.052	ug/L	97
52) Ethylbenzene	9.563	91	352047	46.521	ug/L	96
53) m,p-Xylene	9.688	106	131371	44.586	ug/L	99
54) o-Xylene	10.094	106	130882	46.193	ug/L	95
55) Styrene	10.110	104	240235	50.257	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	168269	53.325	ug/L	99
59) Bromoform	10.283	173	73450	51.540	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	125481	56.097	ug/L	98
61) Isopropylbenzene	10.479	105	341926	49.768	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	241944	48.104	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	258909	48.059	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	170059	47.727	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	172792	46.911	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	172575	47.945	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	32482	53.098	ug/L	88
69) 1,3,5-Trichlorobenzene	13.212	180	110412	42.979	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	88207	38.095	ug/L	98
71) Naphthalene	14.081	128	255105	38.125	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	94879	40.841	ug/L	99

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

