

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072524\
 Data File : VU060219.D
 Acq On : 26 Jul 2024 11:06
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050088

Quant Time: Jul 26 11:41:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 04:34:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	248096	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	247221	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127013	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	83951	52.702	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.400%
7) Chloroethane-d5	1.907	69	65423	48.828	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.660%
11) 1,1-Dichloroethene-d2	2.563	63	130602	46.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.300%
21) 2-Butanone-d5	4.621	46	118701	107.224	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.220%
24) Chloroform-d	5.055	84	143143	46.403	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.695	65	84895	46.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.580%
32) Benzene-d6	5.721	84	290438	45.878	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.760%
36) 1,2-Dichloropropane-d6	6.682	67	95957	48.975	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.940%
41) Toluene-d8	7.894	98	262917	43.672	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.340%
43) trans-1,3-Dichloroprop...	8.174	79	39465	43.045	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.080%
47) 2-Hexanone-d5	8.627	63	77754	94.164	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.160%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	142404	47.353	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.700%
66) 1,2-Dichlorobenzene-d4	12.187	152	96789	41.469	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	63176	41.002	ug/L	99
3) Chloromethane	1.518	50	76353	50.498	ug/L	97
5) Vinyl chloride	1.602	62	84306	47.498	ug/L	99
6) Bromomethane	1.853	94	45773	49.095	ug/L	98
8) Chloroethane	1.930	64	57665	49.903	ug/L	99
9) Trichlorofluoromethane	2.136	101	112224	45.415	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	72128	45.855	ug/L	97
12) 1,1-Dichloroethene	2.576	96	65675	44.645	ug/L	91
13) Acetone	2.628	43	80097	70.264	ug/L	97
14) Carbon disulfide	2.788	76	149647	40.306	ug/L	100
15) Methyl Acetate	2.943	43	92209	53.651	ug/L	96
16) Methylene chloride	3.039	84	87891	47.381	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	66216	43.723	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	243279	49.459	ug/L	97
19) 1,1-Dichloroethane	3.862	63	149265	51.967	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	83488	45.526	ug/L	95
22) 2-Butanone	4.698	43	127574	90.961	ug/L	97
23) Bromochloromethane	4.968	128	45158	46.686	ug/L	92
25) Chloroform	5.081	83	156685	50.693	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	110788	47.215	ug/L	99
29) Cyclohexane	5.383	56	97041	43.838	ug/L	93
30) 1,1,1-Trichloroethane	5.309	97	119220	46.550	ug/L	99
31) Carbon tetrachloride	5.518	117	99716	47.134	ug/L	98
33) Benzene	5.766	78	329251	49.319	ug/L	100
34) Trichloroethene	6.537	95	84079	47.195	ug/L	96
35) Methylcyclohexane	6.759	83	97658	39.692	ug/L	94
37) 1,2-Dichloropropane	6.785	63	95737	52.100	ug/L	100
38) Bromodichloromethane	7.100	83	115947	49.799	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	123860	44.056	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	247514	106.573	ug/L	98
42) Toluene	7.965	91	343245	47.097	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	114672	44.404	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	95663	49.710	ug/L	94
46) Tetrachloroethene	8.547	164	57098	38.959	ug/L	97
48) 2-Hexanone	8.679	43	190883	98.204	ug/L	98
49) Dibromochloromethane	8.804	129	91273	48.136	ug/L	97
50) 1,2-Dibromoethane	8.917	107	94451	46.941	ug/L	100
51) Chlorobenzene	9.441	112	222213	45.927	ug/L	96
52) Ethylbenzene	9.566	91	354748	45.580	ug/L	96
53) m,p-Xylene	9.688	106	135373	44.672	ug/L	97
54) o-Xylene	10.097	106	132621	45.511	ug/L	93
55) Styrene	10.110	104	237581	48.326	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	169441	52.211	ug/L	99
59) Bromoform	10.283	173	74427	48.463	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	127297	52.809	ug/L	97
61) Isopropylbenzene	10.479	105	350260	47.308	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	248217	45.796	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	270050	46.515	ug/L	96
64) 1,3-Dichlorobenzene	11.740	146	170261	44.342	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	170491	42.952	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	173235	44.661	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	32815	49.778	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	110181	39.799	ug/L	97
70) 1,2,4-trichlorobenzene	13.833	180	95958	38.457	ug/L	99
71) Naphthalene	14.081	128	307014	42.577	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	102050	40.764	ug/L	99

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

