

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071724\
 Data File : VU059985.D
 Acq On : 17 Jul 2024 10:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050084

Quant Time: Jul 18 02:27:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 05:46:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	254921	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	251856	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	131575	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	66842	40.838	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.680%
7) Chloroethane-d5	1.901	69	67545	49.062	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.120%
11) 1,1-Dichloroethene-d2	2.554	63	122503	42.129	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.260%
21) 2-Butanone-d5	4.627	46	124811	109.725	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.730%
24) Chloroform-d	5.052	84	148178	46.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.500%
26) 1,2-Dichloroethane-d4	5.695	65	89474	47.476	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.960%
32) Benzene-d6	5.717	84	288999	44.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.620%
36) 1,2-Dichloropropane-d6	6.682	67	96209	48.200	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.400%
41) Toluene-d8	7.891	98	264254	43.086	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.180%
43) trans-1,3-Dichloroprop...	8.177	79	42630	45.641	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.280%
47) 2-Hexanone-d5	8.640	63	88155	104.795	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.800%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	164721	53.766	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.540%
66) 1,2-Dichlorobenzene-d4	12.190	152	109488	45.284	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	75989	47.997	ug/L	99
3) Chloromethane	1.518	50	84189	54.190	ug/L	98
5) Vinyl chloride	1.599	62	93780	51.421	ug/L	99
6) Bromomethane	1.849	94	65534	68.409	ug/L	99
8) Chloroethane	1.917	64	64870	54.635	ug/L	98
9) Trichlorofluoromethane	2.113	101	126768	49.927	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	85479	52.888	ug/L	99
12) 1,1-Dichloroethene	2.563	96	75044	49.648	ug/L	87
13) Acetone	2.634	43	86905	74.195	ug/L	99
14) Carbon disulfide	2.779	76	177985	46.655	ug/L	99
15) Methyl Acetate	2.946	43	94413	53.463	ug/L	99
16) Methylene chloride	3.033	84	94754	49.713	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	76980	49.470	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	265981	52.627	ug/L	99
19) 1,1-Dichloroethane	3.856	63	155239	52.599	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	96064	50.982	ug/L	95
22) 2-Butanone	4.705	43	132824	92.169	ug/L	96
23) Bromochloromethane	4.965	128	51443	51.760	ug/L	97
25) Chloroform	5.078	83	167380	52.703	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	126963	52.660	ug/L	100
29) Cyclohexane	5.377	56	112131	49.722	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	131976	50.582	ug/L	99
31) Carbon tetrachloride	5.515	117	109712	50.905	ug/L	99
33) Benzene	5.766	78	360934	53.070	ug/L	100
34) Trichloroethene	6.534	95	90578	49.907	ug/L	98
35) Methylcyclohexane	6.756	83	126342	50.405	ug/L	99
37) 1,2-Dichloropropane	6.782	63	101796	54.378	ug/L	99
38) Bromodichloromethane	7.100	83	127414	53.717	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	146756	51.239	ug/L	98
40) 4-Methyl-2-pentanone	7.791	43	258814	109.388	ug/L	98
42) Toluene	7.962	91	395282	53.239	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	137400	52.226	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	108517	55.351	ug/L	99
46) Tetrachloroethene	8.547	164	74641	49.992	ug/L	98
48) 2-Hexanone	8.688	43	210488	106.297	ug/L	98
49) Dibromochloromethane	8.807	129	105369	54.548	ug/L	99
50) 1,2-Dibromoethane	8.920	107	111204	54.250	ug/L	100
51) Chlorobenzene	9.444	112	255287	51.792	ug/L	99
52) Ethylbenzene	9.566	91	405919	51.195	ug/L	99
53) m,p-Xylene	9.688	106	160371	51.948	ug/L	100
54) o-Xylene	10.097	106	158809	53.495	ug/L	100
55) Styrene	10.113	104	280596	56.025	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	189678	57.371	ug/L	99
59) Bromoform	10.290	173	90345	56.788	ug/L	99
60) 1,2,3-Trichloropropane	10.820	75	140618	56.313	ug/L	99
61) Isopropylbenzene	10.479	105	412591	53.795	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	294147	52.389	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	320380	53.271	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	207583	52.187	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	210820	51.270	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	213225	53.065	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	37159	54.413	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	145503	50.736	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	122019	47.206	ug/L	99
71) Naphthalene	14.084	128	381221	51.035	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	129915	50.095	ug/L	99

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

