

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050123\
 Data File : VU054040.D
 Acq On : 01 May 2023 20:49
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050086

Quant Time: May 02 05:36:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 02 05:29:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	260620	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	252728	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	140091	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78305	39.727	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.460%
7) Chloroethane-d5	1.906	69	58875	45.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.562	63	148309	42.422	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.840%
21) 2-Butanone-d5	4.620	46	111683	99.345	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.350%
24) Chloroform-d	5.057	84	162489	44.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.760%
26) 1,2-Dichloroethane-d4	5.694	65	103948	44.721	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.440%
32) Benzene-d6	5.719	84	313081	42.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.180%
36) 1,2-Dichloropropane-d6	6.684	67	98516	41.950	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.900%
41) Toluene-d8	7.893	98	293969	43.770	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.540%
43) trans-1,3-Dichloroprop...	8.173	79	50223	43.214	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.420%
47) 2-Hexanone-d5	8.626	63	77350	91.958	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.960%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	142917	46.201	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	120971	44.203	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	87103	46.323	ug/L	100
3) Chloromethane	1.517	50	80559	46.616	ug/L	99
5) Vinyl chloride	1.604	62	85327	46.422	ug/L	97
6) Bromomethane	1.851	94	42210	41.196	ug/L	96
8) Chloroethane	1.925	64	52360	52.275	ug/L	100
9) Trichlorofluoromethane	2.134	101	136061	46.647	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	83593	47.920	ug/L	99
12) 1,1-Dichloroethene	2.575	96	71583	47.351	ug/L	98
13) Acetone	2.626	43	84003	76.129	ug/L	97
14) Carbon disulfide	2.787	76	155454	46.330	ug/L	98
15) Methyl Acetate	2.945	43	90095	52.137	ug/L	97
16) Methylene chloride	3.041	84	92162	48.338	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	73069	47.268	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	275311	48.444	ug/L	98
19) 1,1-Dichloroethane	3.864	63	159235	47.976	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	89091	46.899	ug/L	99
22) 2-Butanone	4.697	43	126888	97.402	ug/L	97
23) Bromochloromethane	4.967	128	47495	48.226	ug/L	99
25) Chloroform	5.083	83	168531	48.119	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	127556	47.348	ug/L	98
29) Cyclohexane	5.382	56	117253	44.891	ug/L	96
30) 1,1,1-Trichloroethane	5.308	97	142598	45.268	ug/L	99
31) Carbon tetrachloride	5.520	117	123585	45.986	ug/L	98
33) Benzene	5.768	78	335823	45.652	ug/L	100
34) Trichloroethene	6.536	95	88134	45.142	ug/L	98
35) Methylcyclohexane	6.758	83	118936	43.436	ug/L	99
37) 1,2-Dichloropropane	6.784	63	93372	44.865	ug/L	99
38) Bromodichloromethane	7.099	83	122681	46.789	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	146099	44.875	ug/L	95
40) 4-Methyl-2-pentanone	7.784	43	240293	99.076	ug/L	99
42) Toluene	7.964	91	356389	46.538	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	141846	45.845	ug/L	100
45) 1,1,2-Trichloroethane	8.391	97	94307	46.816	ug/L	96
46) Tetrachloroethene	8.549	164	67530	43.598	ug/L	98
48) 2-Hexanone	8.677	43	186511	97.036	ug/L	99
49) Dibromochloromethane	8.803	129	92840	46.771	ug/L	97
50) 1,2-Dibromoethane	8.919	107	98835	48.339	ug/L	97
51) Chlorobenzene	9.439	112	238508	46.565	ug/L	100
52) Ethylbenzene	9.565	91	405187	47.011	ug/L	100
53) m,p-Xylene	9.687	106	153710	47.493	ug/L	97
54) o-Xylene	10.095	106	150181	47.431	ug/L	100
55) Styrene	10.108	104	263853	48.584	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	154997	48.845	ug/L	98
59) Bromoform	10.285	173	73389	46.793	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	122594	47.113	ug/L	99
61) Isopropylbenzene	10.478	105	402668	45.534	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	336659	46.458	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	330198	46.229	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	197221	45.600	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	198912	45.158	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	199577	45.722	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	32702	49.261	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	144495	46.105	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	130077	45.782	ug/L	98
71) Naphthalene	14.082	128	400701	48.623	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	134746	47.675	ug/L	99

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

