

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050423\
 Data File : VU054066.D
 Acq On : 04 May 2023 16:51
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050090

Quant Time: May 05 04:36:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 05 04:34:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	243412	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	233327	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	131342	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	59486	32.313	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.620%
7) Chloroethane-d5	1.906	69	44775	37.052	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.100%
11) 1,1-Dichloroethene-d2	2.565	63	127595	39.077	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.160%
21) 2-Butanone-d5	4.620	46	108419	103.260	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.260%
24) Chloroform-d	5.057	84	149855	44.321	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.640%
26) 1,2-Dichloroethane-d4	5.694	65	94943	43.735	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.460%
32) Benzene-d6	5.719	84	274356	39.947	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.900%
36) 1,2-Dichloropropane-d6	6.684	67	88589	40.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.720%
41) Toluene-d8	7.893	98	253925	40.952	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.900%
43) trans-1,3-Dichloroprop...	8.172	79	45605	42.503	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.000%
47) 2-Hexanone-d5	8.629	63	71305	91.820	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.820%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	134168	46.979	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.960%
66) 1,2-Dichlorobenzene-d4	12.188	152	114222	44.517	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	85122	48.470	ug/L	98
3) Chloromethane	1.520	50	76955	47.679	ug/L	96
5) Vinyl chloride	1.604	62	84440	49.187	ug/L	96
6) Bromomethane	1.854	94	44160	46.146	ug/L	95
8) Chloroethane	1.928	64	47295	50.557	ug/L	100
9) Trichlorofluoromethane	2.134	101	135223	49.637	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	81808	50.212	ug/L	100
12) 1,1-Dichloroethene	2.578	96	67671	47.928	ug/L	89
13) Acetone	2.629	43	110147	106.880	ug/L	98
14) Carbon disulfide	2.790	76	146364	46.705	ug/L	98
15) Methyl Acetate	2.944	43	83867	51.964	ug/L	100
16) Methylene chloride	3.041	84	90688	50.927	ug/L	94
17) trans-1,2-Dichloroethene	3.350	96	71518	49.536	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	266889	50.282	ug/L	99
19) 1,1-Dichloroethane	3.864	63	154784	49.932	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	87842	49.511	ug/L	96
22) 2-Butanone	4.700	43	133913	110.061	ug/L	99
23) Bromochloromethane	4.967	128	46239	50.270	ug/L	98
25) Chloroform	5.079	83	167330	51.153	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	128374	51.021	ug/L	98
29) Cyclohexane	5.382	56	112088	46.482	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	142193	48.892	ug/L	99
31) Carbon tetrachloride	5.520	117	118557	47.783	ug/L	98
33) Benzene	5.767	78	331015	48.740	ug/L	100
34) Trichloroethene	6.536	95	85926	47.670	ug/L	99
35) Methylcyclohexane	6.758	83	117956	46.660	ug/L	99
37) 1,2-Dichloropropane	6.783	63	91911	47.835	ug/L	99
38) Bromodichloromethane	7.099	83	118392	48.908	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	146696	48.805	ug/L	95
40) 4-Methyl-2-pentanone	7.783	43	227217	101.475	ug/L	99
42) Toluene	7.963	91	351150	49.666	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	138673	48.546	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	91838	49.382	ug/L	97
46) Tetrachloroethene	8.549	164	67599	47.272	ug/L	99
48) 2-Hexanone	8.677	43	187453	105.635	ug/L	99
49) Dibromochloromethane	8.803	129	89728	48.962	ug/L	99
50) 1,2-Dibromoethane	8.915	107	94921	50.285	ug/L	100
51) Chlorobenzene	9.443	112	234328	49.552	ug/L	99
52) Ethylbenzene	9.565	91	390819	49.114	ug/L	99
53) m,p-Xylene	9.690	106	147057	49.215	ug/L	95
54) o-Xylene	10.095	106	149338	51.086	ug/L	97
55) Styrene	10.108	104	256729	51.203	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	145198	49.562	ug/L	99
59) Bromoform	10.285	173	70660	48.054	ug/L	99
60) 1,2,3-Trichloropropane	10.815	75	116225	47.640	ug/L	99
61) Isopropylbenzene	10.478	105	398522	48.067	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	331210	48.751	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	329255	49.168	ug/L	99
64) 1,3-Dichlorobenzene	11.738	146	196026	48.343	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	198405	48.044	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	199071	48.644	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	29568	47.507	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	145114	49.387	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	129256	48.523	ug/L	98
71) Naphthalene	14.079	128	376936	48.786	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	131964	49.801	ug/L	100

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

