

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051211.D
 Acq On : 07 Oct 2022 07:10
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

Quant Time: Oct 07 08:00:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 02:51:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	441592	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	448324	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	214255	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	193424	43.220	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.440%
7) Chloroethane-d5	1.900	69	158279	38.073	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.140%
11) 1,1-Dichloroethene-d2	2.562	63	295544	44.707	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.420%
21) 2-Butanone-d5	4.620	46	225974	77.852	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.850%
24) Chloroform-d	5.060	84	326715	45.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.620%
26) 1,2-Dichloroethane-d4	5.700	65	198343	44.443	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.880%
32) Benzene-d6	5.726	84	653320	49.763	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.520%
36) 1,2-Dichloropropane-d6	6.690	67	214812	50.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.840%
41) Toluene-d8	7.896	98	580052	47.820	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.640%
43) trans-1,3-Dichloroprop...	8.179	79	82521	40.612	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.220%
47) 2-Hexanone-d5	8.632	63	111160	64.622	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	64.620%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	326548	43.859	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.720%
66) 1,2-Dichlorobenzene-d4	12.192	152	197729	43.200	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	156064	42.146	ug/L	99
3) Chloromethane	1.523	50	216230	49.423	ug/L	98
5) Vinyl chloride	1.604	62	218346	47.025	ug/L	99
6) Bromomethane	1.839	94	159799	41.548	ug/L	99
8) Chloroethane	1.922	64	137659	40.375	ug/L	99
9) Trichlorofluoromethane	2.131	101	242790	38.888	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	147502	43.753	ug/L	98
12) 1,1-Dichloroethene	2.575	96	144852	45.998	ug/L	94
13) Acetone	2.623	43	176790	76.273	ug/L	98
14) Carbon disulfide	2.787	76	417505	44.851	ug/L	100
15) Methyl Acetate	2.945	43	199188	47.071	ug/L	95
16) Methylene chloride	3.041	84	201365	44.543	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	154286	46.053	ug/L	97
18) Methyl tert-butyl Ether	3.363	73	497962	48.911	ug/L	98
19) 1,1-Dichloroethane	3.864	63	322787	50.722	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	179305	47.934	ug/L	99
22) 2-Butanone	4.700	43	277149	86.544	ug/L	97
23) Bromochloromethane	4.970	128	95527	46.608	ug/L	90
25) Chloroform	5.086	83	334534	48.329	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	251726	47.473	ug/L	97
29) Cyclohexane	5.388	56	221223	50.677	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	256048	48.698	ug/L	100
31) Carbon tetrachloride	5.523	117	202706	47.252	ug/L	97
33) Benzene	5.771	78	743703	54.412	ug/L	100
34) Trichloroethene	6.539	95	164900	46.580	ug/L	98
35) Methylcyclohexane	6.761	83	217058	45.049	ug/L	95
37) 1,2-Dichloropropane	6.790	63	209373	56.885	ug/L	100
38) Bromodichloromethane	7.102	83	246903	50.266	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	243402	46.695	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	541450	101.579	ug/L	98
42) Toluene	7.967	91	773484	53.204	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	230898	43.809	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	196004	49.163	ug/L	99
46) Tetrachloroethene	8.552	164	118258	44.080	ug/L	97
48) 2-Hexanone	8.681	43	467453	96.551	ug/L	98
49) Dibromochloromethane	8.806	129	191243	45.625	ug/L	97
50) 1,2-Dibromoethane	8.922	107	199529	46.160	ug/L	99
51) Chlorobenzene	9.446	112	456828	46.207	ug/L	98
52) Ethylbenzene	9.568	91	723005	46.624	ug/L	99
53) m,p-Xylene	9.690	106	282268	48.404	ug/L	96
54) o-Xylene	10.099	106	287044	49.247	ug/L	98
55) Styrene	10.111	104	508454	50.471	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	352866	50.010	ug/L	100
59) Bromoform	10.288	173	140530	44.578	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	268777	47.670	ug/L	97
61) Isopropylbenzene	10.481	105	685792	49.273	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	553739	48.654	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	562114	49.279	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	321311	44.781	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	321738	44.857	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	340392	46.174	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	66152	40.205	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	198319	40.759	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	151518	38.060	ug/L	98
71) Naphthalene	14.086	128	576666	40.471	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	184939	41.631	ug/L	99

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

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