

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052831.D
 Acq On : 26 Jan 2023 21:09
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050142

Quant Time: Jan 27 04:37:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	283932	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	270920	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	156180	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86240	42.200	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.400%
7) Chloroethane-d5	1.906	69	73831	43.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.700%
11) 1,1-Dichloroethene-d2	2.565	63	179894	44.258	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.520%
21) 2-Butanone-d5	4.623	46	114826	90.955	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.960%
24) Chloroform-d	5.057	84	195974	44.933	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.860%
26) 1,2-Dichloroethane-d4	5.697	65	125258	44.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.960%
32) Benzene-d6	5.722	84	376985	45.546	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.100%
36) 1,2-Dichloropropane-d6	6.684	67	111302	45.850	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.700%
41) Toluene-d8	7.893	98	349245	46.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.680%
43) trans-1,3-Dichloroprop...	8.173	79	57765	47.476	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.960%
47) 2-Hexanone-d5	8.632	63	86600	101.528	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.530%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	165558	46.160	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.320%
66) 1,2-Dichlorobenzene-d4	12.188	152	142339	46.936	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118592	44.605	ug/L	98
3) Chloromethane	1.520	50	97824	44.612	ug/L	99
5) Vinyl chloride	1.604	62	107594	44.353	ug/L	97
6) Bromomethane	1.854	94	72823	47.600	ug/L	97
8) Chloroethane	1.928	64	68915	45.230	ug/L	97
9) Trichlorofluoromethane	2.131	101	180493	44.422	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	100647	43.946	ug/L	99
12) 1,1-Dichloroethene	2.575	96	96903	46.135	ug/L	95
13) Acetone	2.629	43	90510	58.702	ug/L	97
14) Carbon disulfide	2.790	76	283200	44.642	ug/L	99
15) Methyl Acetate	2.944	43	95327	45.886	ug/L	98
16) Methylene chloride	3.041	84	109614	43.870	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	103153	45.445	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	322144	48.265	ug/L	100
19) 1,1-Dichloroethane	3.864	63	183653	46.134	ug/L	96
20) cis-1,2-Dichloroethene	4.658	96	114475	47.236	ug/L	96
22) 2-Butanone	4.700	43	137894	83.671	ug/L	100
23) Bromochloromethane	4.970	128	62478	45.909	ug/L	98
25) Chloroform	5.083	83	204933	45.857	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	161800	45.734	ug/L	99
29) Cyclohexane	5.385	56	157252	48.982	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	186726	46.857	ug/L	100
31) Carbon tetrachloride	5.520	117	162742	47.110	ug/L	100
33) Benzene	5.767	78	441309	47.853	ug/L	100
34) Trichloroethene	6.536	95	109080	46.536	ug/L	96
35) Methylcyclohexane	6.758	83	173618	46.798	ug/L	99
37) 1,2-Dichloropropane	6.784	63	106475	46.961	ug/L	100
38) Bromodichloromethane	7.099	83	155358	46.694	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	166547	46.893	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	266993	99.953	ug/L	100
42) Toluene	7.964	91	460734	48.747	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	169405	48.535	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	108872	46.957	ug/L	97
46) Tetrachloroethene	8.549	164	91925	45.544	ug/L	93
48) 2-Hexanone	8.684	43	209555	92.733	ug/L	98
49) Dibromochloromethane	8.806	129	132845	47.912	ug/L	99
50) 1,2-Dibromoethane	8.918	107	119067	47.714	ug/L	100
51) Chlorobenzene	9.443	112	307093	47.226	ug/L	98
52) Ethylbenzene	9.565	91	494933	49.000	ug/L	99
53) m,p-Xylene	9.690	106	203507	49.769	ug/L	99
54) o-xylene	10.095	106	197397	50.568	ug/L	95
55) Styrene	10.108	104	340296	50.801	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	182077	48.525	ug/L	100
59) Bromoform	10.285	173	100860	47.127	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	141988	46.868	ug/L	98
61) Isopropylbenzene	10.481	105	505244	50.089	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	435321	51.831	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	428164	52.683	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	242080	47.568	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	243511	46.221	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	247824	48.145	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	39903	45.951	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	175799	46.662	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	148567	47.034	ug/L	98
71) Naphthalene	14.082	128	452979	49.903	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	157199	47.091	ug/L	99

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

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