

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
 Data File : VU054813.D
 Acq On : 18 Jul 2023 17:37
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050105

Quant Time: Jul 19 02:51:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	241472	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	237711	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	132731	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79908	42.816	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.640%
7) Chloroethane-d5	1.885	69	79932	42.814	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.620%
11) 1,1-Dichloroethene-d2	2.557	63	120407	44.976	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.960%
21) 2-Butanone-d5	4.615	46	124143	103.485	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.480%
24) Chloroform-d	5.055	84	140365	48.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.620%
26) 1,2-Dichloroethane-d4	5.695	65	84169	48.381	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.760%
32) Benzene-d6	5.721	84	266010	46.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.960%
36) 1,2-Dichloropropane-d6	6.686	67	91700	48.095	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.200%
41) Toluene-d8	7.895	98	258773	47.959	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.920%
43) trans-1,3-Dichloroprop...	8.174	79	44102	45.217	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.440%
47) 2-Hexanone-d5	8.628	63	89535	99.343	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.340%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	170856	48.788	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.580%
66) 1,2-Dichlorobenzene-d4	12.190	152	113611	49.811	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	87382	47.882	ug/L	97
3) Chloromethane	1.519	50	96861	46.541	ug/L	98
5) Vinyl chloride	1.602	62	128650	47.544	ug/L	99
6) Bromomethane	1.827	94	82829	50.292	ug/L	99
8) Chloroethane	1.908	64	85242	45.537	ug/L	99
9) Trichlorofluoromethane	2.120	101	205812	47.520	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	72738	45.526	ug/L	97
12) 1,1-Dichloroethene	2.567	96	69757	46.428	ug/L	98
13) Acetone	2.621	43	75672	74.997	ug/L	99
14) Carbon disulfide	2.782	76	204890	46.702	ug/L	98
15) Methyl Acetate	2.943	43	84779	50.374	ug/L	98
16) Methylene chloride	3.036	84	86722	47.813	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	73257	47.106	ug/L	96
18) Methyl tert-butyl Ether	3.358	73	261031	48.500	ug/L	99
19) 1,1-Dichloroethane	3.859	63	145840	49.147	ug/L	100
20) cis-1,2-Dichloroethene	4.657	96	87589	47.386	ug/L	99
22) 2-Butanone	4.695	43	122179	87.708	ug/L	98
23) Bromochloromethane	4.969	128	46320	49.258	ug/L	89
25) Chloroform	5.081	83	151387	48.650	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.789	62	115317	48.798	ug/L	99
29) Cyclohexane	5.380	56	119608	45.759	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	127666	48.393	ug/L	100
31) Carbon tetrachloride	5.518	117	108907	47.804	ug/L	99
33) Benzene	5.766	78	329477	48.376	ug/L	100
34) Trichloroethene	6.538	95	81898	47.240	ug/L	95
35) Methylcyclohexane	6.756	83	130277	45.981	ug/L	99
37) 1,2-Dichloropropane	6.785	63	90268	48.191	ug/L	99
38) Bromodichloromethane	7.100	83	117163	48.754	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	145380	47.059	ug/L	92
40) 4-Methyl-2-pentanone	7.785	43	275054	95.900	ug/L	99
42) Toluene	7.965	91	369680	48.507	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	136967	47.189	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	92767	48.576	ug/L	98
46) Tetrachloroethene	8.547	164	62363	46.920	ug/L	97
48) 2-Hexanone	8.679	43	220191	92.670	ug/L	97
49) Dibromochloromethane	8.805	129	92557	47.054	ug/L	95
50) 1,2-Dibromoethane	8.920	107	100031	48.663	ug/L	94
51) Chlorobenzene	9.444	112	240485	48.503	ug/L	99
52) Ethylbenzene	9.567	91	424779	48.209	ug/L	94
53) m,p-Xylene	9.692	106	160566	47.862	ug/L	99
54) o-Xylene	10.097	106	162550	47.696	ug/L	99
55) Styrene	10.110	104	280100	47.190	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.779	83	179644	47.646	ug/L	99
59) Bromoform	10.287	173	78560	47.319	ug/L #	99
60) 1,2,3-Trichloropropane	10.820	75	127051	49.056	ug/L	99
61) Isopropylbenzene	10.480	105	429853	49.015	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	351594	48.681	ug/L	99
63) 1,2,4-Trimethylbenzene	11.464	105	344574	48.132	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	194013	47.701	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	195465	47.714	ug/L	90
67) 1,2-Dichlorobenzene	12.210	146	198728	48.639	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	33919	49.001	ug/L	84
69) 1,3,5-Trichlorobenzene	13.216	180	129370	47.450	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	113404	48.179	ug/L	98
71) Naphthalene	14.084	128	388564	50.296	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	111053	48.450	ug/L	99

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

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