

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020223\
 Data File : VU052934.D
 Acq On : 02 Feb 2023 18:33
 Operator : JC/MD
 Sample : 01381-23MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44M5MS

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Feb 03 00:28:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 00:24:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	234259	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	229346	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	137533	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69394	41.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.320%
7) Chloroethane-d5	1.906	69	65533	47.170	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.340%
11) 1,1-Dichloroethene-d2	2.559	63	150721	44.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.880%
21) 2-Butanone-d5	4.626	46	87970	84.458	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.460%
24) Chloroform-d	5.057	84	167459	46.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.080%
26) 1,2-Dichloroethane-d4	5.694	65	107668	46.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.720%
32) Benzene-d6	5.719	84	319777	45.637	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.280%
36) 1,2-Dichloropropane-d6	6.684	67	95430	46.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.880%
41) Toluene-d8	7.893	98	295618	46.332	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.660%
43) trans-1,3-Dichloroprop...	8.176	79	47629	46.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.480%
47) 2-Hexanone-d5	8.645	63	64990	90.005	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.000%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	139606	45.980	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.960%
66) 1,2-Dichlorobenzene-d4	12.192	152	124788m	46.728	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.460%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	99586	45.399	ug/L	99
3) Chloromethane	1.517	50	86211	47.652	ug/L	100
5) Vinyl chloride	1.604	62	96395	48.162	ug/L	96
6) Bromomethane	1.851	94	64998	51.494	ug/L	97
8) Chloroethane	1.925	64	64827	51.568	ug/L	99
9) Trichlorofluoromethane	2.121	101	172562	51.475	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	89734	47.489	ug/L	98
12) 1,1-Dichloroethene	2.572	96	84232	48.606	ug/L	92
13) Acetone	2.633	43	66230	52.063	ug/L	99
14) Carbon disulfide	2.784	76	228613	43.679	ug/L	100
15) Methyl Acetate	2.945	43	69303	40.433	ug/L	98
16) Methylene chloride	3.038	84	95411	46.283	ug/L	98
17) trans-1,2-Dichloroethene	3.343	96	88625	47.323	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	271770	49.352	ug/L	100
19) 1,1-Dichloroethane	3.861	63	160523	48.874	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	243583	121.821	ug/L	100
22) 2-Butanone	4.707	43	96220	70.764	ug/L	95
23) Bromochloromethane	4.967	128	54378	48.430	ug/L	95
25) Chloroform	5.080	83	183389	49.738	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	141935	48.625	ug/L	100
29) Cyclohexane	5.382	56	127045	46.746	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	162892	48.285	ug/L	99
31) Carbon tetrachloride	5.517	117	143004	48.901	ug/L	100
33) Benzene	5.768	78	391118	50.098	ug/L	100
34) Trichloroethene	6.536	95	216603	109.158	ug/L	95
35) Methylcyclohexane	6.758	83	147445	46.948	ug/L	99
37) 1,2-Dichloropropane	6.784	63	90393	47.095	ug/L	99
38) Bromodichloromethane	7.102	83	133061	47.242	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	142453	47.380	ug/L	99
40) 4-Methyl-2-pentanone	7.803	43	195440	86.429	ug/L	98
42) Toluene	7.964	91	385961	48.238	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	139950	47.365	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	94348	48.069	ug/L	98
46) Tetrachloroethene	8.549	164	80862	47.325	ug/L	98
48) 2-Hexanone	8.697	43	151108	78.990	ug/L	96
49) Dibromochloromethane	8.806	129	113068	48.171	ug/L	99
50) 1,2-Dibromoethane	8.919	107	97967	46.375	ug/L	95
51) Chlorobenzene	9.443	112	905691	164.528	ug/L	99
52) Ethylbenzene	9.568	91	428153	50.073	ug/L	99
53) m,p-Xylene	9.690	106	174236	50.334	ug/L	98
54) o-xylene	10.099	106	170892	51.713	ug/L	100
55) Styrene	10.111	104	296281	52.248	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	148858	46.863	ug/L	99
59) Bromoform	10.292	173	85070	45.138	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	114990	43.103	ug/L	98
61) Isopropylbenzene	10.481	105	432623	48.705	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	366408	49.541	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	364787	50.971	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	229566	51.225	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	344211	74.193	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	844508	186.306	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	31186	40.782	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	154387	46.534	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	270062	97.090	ug/L	98
71) Naphthalene	14.082	128	390817	48.892	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	179422	61.036	ug/L	98

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

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