

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053461.D
 Acq On : 29 Mar 2023 03:13
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050177

Quant Time: Mar 29 04:20:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 02:16:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	200586	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	192024	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	100592	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84997	45.931	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.860%
7) Chloroethane-d5	1.912	69	68587	45.821	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.640%
11) 1,1-Dichloroethene-d2	2.568	63	141270	44.069	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.140%
21) 2-Butanone-d5	4.626	46	112947	131.597	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.600%#
24) Chloroform-d	5.057	84	147482	48.388	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.780%
26) 1,2-Dichloroethane-d4	5.697	65	94066	49.695	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.380%
32) Benzene-d6	5.722	84	288634	46.342	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.680%
36) 1,2-Dichloropropane-d6	6.684	67	97653	48.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.160%
41) Toluene-d8	7.893	98	267414	46.115	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.240%
43) trans-1,3-Dichloroprop...	8.176	79	45749	46.128	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.260%
47) 2-Hexanone-d5	8.629	63	65794	104.692	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.690%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	138030	53.006	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.020%
66) 1,2-Dichlorobenzene-d4	12.188	152	103970	53.380	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	90978	43.453	ug/L	100
3) Chloromethane	1.520	50	95086	49.286	ug/L	96
5) Vinyl chloride	1.604	62	98648	46.743	ug/L	100
6) Bromomethane	1.858	94	56609	44.623	ug/L	97
8) Chloroethane	1.935	64	60226	48.312	ug/L	99
9) Trichlorofluoromethane	2.137	101	123565	46.926	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	73802	46.333	ug/L	96
12) 1,1-Dichloroethene	2.578	96	65180	44.247	ug/L	94
13) Acetone	2.639	43	76640	78.403	ug/L	92
14) Carbon disulfide	2.793	76	168145	37.686	ug/L	98
15) Methyl Acetate	2.948	43	85616	63.900	ug/L	95
16) Methylene chloride	3.044	84	76779	42.963	ug/L	98
17) trans-1,2-Dichloroethene	3.349	96	67132	44.915	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	235214	46.800	ug/L	98
19) 1,1-Dichloroethane	3.864	63	140283	45.979	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	81608	46.486	ug/L	99
22) 2-Butanone	4.703	43	121318	108.938	ug/L	91
23) Bromochloromethane	4.970	128	40713	48.638	ug/L	96
25) Chloroform	5.083	83	142150	46.560	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	115568	47.952	ug/L	99
29) Cyclohexane	5.385	56	123631	43.209	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	117107	44.742	ug/L	97
31) Carbon tetrachloride	5.520	117	93513	43.609	ug/L	98
33) Benzene	5.767	78	308066	46.275	ug/L	100
34) Trichloroethene	6.539	95	78917	45.463	ug/L	96
35) Methylcyclohexane	6.758	83	124150	40.802	ug/L	96
37) 1,2-Dichloropropane	6.787	63	87745	47.242	ug/L	99
38) Bromodichloromethane	7.099	83	102418	44.309	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	129858	42.555	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	241001	126.239	ug/L	93
42) Toluene	7.963	91	328685	45.924	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	123391	44.235	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	81929	48.443	ug/L	97
46) Tetrachloroethene	8.549	164	54887	48.601	ug/L	96
48) 2-Hexanone	8.680	43	186952	116.944	ug/L	94
49) Dibromochloromethane	8.803	129	75406	43.586	ug/L	98
50) 1,2-Dibromoethane	8.918	107	88289	48.993	ug/L #	98
51) Chlorobenzene	9.442	112	208770	46.802	ug/L	99
52) Ethylbenzene	9.565	91	367000	45.217	ug/L	97
53) m,p-Xylene	9.690	106	135110	44.601	ug/L	99
54) o-Xylene	10.095	106	134414	44.863	ug/L	99
55) Styrene	10.108	104	229380	45.936	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.774	83	142239	51.297	ug/L	97
59) Bromoform	10.285	173	56627	49.467	ug/L	98
60) 1,2,3-Trichloropropane	10.815	75	106702	53.381	ug/L	99
61) Isopropylbenzene	10.478	105	355652	44.748	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	292402	44.445	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	283409	44.195	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	160951	48.286	ug/L	97
65) 1,4-Dichlorobenzene	11.831	146	163513	48.864	ug/L	94
67) 1,2-Dichlorobenzene	12.208	146	164351	49.331	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	27208	49.224	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	110963	52.506	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	99813	52.564	ug/L	97
71) Naphthalene	14.079	128	329609	51.500	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	100353	55.728	ug/L	97

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

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