

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020824\
 Data File : VU057854.D
 Acq On : 08 Feb 2024 09:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050140

Quant Time: Feb 09 04:03:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	254147	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	239854	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123263	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	93443	45.936	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.880%
7) Chloroethane-d5	1.888	69	73369	46.492	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.980%
11) 1,1-Dichloroethene-d2	2.560	63	173450	46.426	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.860%
21) 2-Butanone-d5	4.611	46	97550	86.409	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.410%
24) Chloroform-d	5.052	84	168432	46.676	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.360%
26) 1,2-Dichloroethane-d4	5.692	65	107747	47.102	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
32) Benzene-d6	5.717	84	336450	46.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.860%
36) 1,2-Dichloropropane-d6	6.682	67	104691	45.752	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.500%
41) Toluene-d8	7.891	98	304180	46.304	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.174	79	51496	46.004	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.000%
47) 2-Hexanone-d5	8.627	63	90499	96.892	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.890%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	151966	51.017	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.040%
66) 1,2-Dichlorobenzene-d4	12.190	152	115109	48.608	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	117409	52.253	ug/L	99
3) Chloromethane	1.515	50	110082	52.385	ug/L	99
5) Vinyl chloride	1.602	62	114571	51.604	ug/L	95
6) Bromomethane	1.827	94	50264	36.802	ug/L	100
8) Chloroethane	1.914	64	70121	52.906	ug/L	99
9) Trichlorofluoromethane	2.126	101	160482	51.696	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	95747	52.255	ug/L	99
12) 1,1-Dichloroethene	2.570	96	85547	51.121	ug/L	97
13) Acetone	2.611	43	129258	89.124	ug/L	99
14) Carbon disulfide	2.782	76	257333	49.797	ug/L	100
15) Methyl Acetate	2.936	43	96045	52.054	ug/L	99
16) Methylene chloride	3.036	84	97185	50.266	ug/L	97
17) trans-1,2-Dichloroethene	3.341	96	87272	51.178	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	305892	51.101	ug/L	100
19) 1,1-Dichloroethane	3.856	63	177851	51.970	ug/L	100
20) cis-1,2-Dichloroethene	4.656	96	100910	51.267	ug/L	96
22) 2-Butanone	4.689	43	152048	98.377	ug/L	98
23) Bromochloromethane	4.965	128	49390	51.183	ug/L	95
25) Chloroform	5.078	83	182605	52.104	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	146429	50.454	ug/L	100
29) Cyclohexane	5.380	56	159156	50.994	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	155561	50.283	ug/L	99
31) Carbon tetrachloride	5.515	117	136319	50.608	ug/L	99
33) Benzene	5.766	78	390676	51.453	ug/L	100
34) Trichloroethene	6.534	95	100876	49.409	ug/L	98
35) Methylcyclohexane	6.756	83	166966	51.118	ug/L	99
37) 1,2-Dichloropropane	6.785	63	107554	51.667	ug/L	100
38) Bromodichloromethane	7.097	83	135289	51.617	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	170756	50.607	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	275807	106.437	ug/L	99
42) Toluene	7.965	91	407390	51.229	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	158070	51.028	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	99106	51.559	ug/L	99
46) Tetrachloroethene	8.547	164	73102	51.621	ug/L	98
48) 2-Hexanone	8.679	43	234186	103.887	ug/L	98
49) Dibromochloromethane	8.804	129	101891	52.557	ug/L	99
50) 1,2-Dibromoethane	8.917	107	105359	51.301	ug/L	95
51) Chlorobenzene	9.441	112	268666	53.197	ug/L	98
52) Ethylbenzene	9.566	91	461410	51.150	ug/L	100
53) m,p-Xylene	9.688	106	171791	51.819	ug/L	97
54) o-Xylene	10.094	106	168187	52.100	ug/L	96
55) Styrene	10.110	104	289356	53.696	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	175153	56.542	ug/L	99
59) Bromoform	10.286	173	75819	52.951	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	135739	52.607	ug/L	99
61) Isopropylbenzene	10.479	105	460872	51.181	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	396809	52.512	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	404901	53.536	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	209713	53.750	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	214063	53.490	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	209355	53.228	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.990	75	34258	52.346	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	146061	53.152	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	118811	50.614	ug/L	100
71) Naphthalene	14.084	128	312412	49.647	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	106089	48.300	ug/L	99

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

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