

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057429.D
 Acq On : 09 Jan 2024 10:23
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050130

Quant Time: Jan 09 11:37:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 06:09:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	283585	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	280614	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137650	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	78985	40.467	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.940%
7) Chloroethane-d5	1.914	69	63519	42.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.100%
11) 1,1-Dichloroethene-d2	2.560	63	178404	43.124	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.240%
21) 2-Butanone-d5	4.634	46	99113	104.796	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.800%
24) Chloroform-d	5.055	84	204152	44.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.460%
26) 1,2-Dichloroethane-d4	5.692	65	135851	44.554	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.100%
32) Benzene-d6	5.721	84	350517	46.533	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.060%
36) 1,2-Dichloropropane-d6	6.682	67	97816	46.009	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.020%
41) Toluene-d8	7.891	98	333257	47.211	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.420%
43) trans-1,3-Dichloroprop...	8.174	79	61774	48.680	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.360%
47) 2-Hexanone-d5	8.647	63	75941	109.267	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.270%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	149329	47.001	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	127281	47.277	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	150692	46.579	ug/L	98
3) Chloromethane	1.518	50	94968	46.781	ug/L	99
5) Vinyl chloride	1.605	62	106503	49.006	ug/L	100
6) Bromomethane	1.859	94	68945	47.931	ug/L	100
8) Chloroethane	1.933	64	58774	46.235	ug/L	95
9) Trichlorofluoromethane	2.129	101	212804	46.929	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	104280	47.885	ug/L	97
12) 1,1-Dichloroethene	2.570	96	91631	47.687	ug/L	94
13) Acetone	2.644	43	112013	97.256	ug/L	95
14) Carbon disulfide	2.785	76	285943	48.045	ug/L	100
15) Methyl Acetate	2.949	43	74512	49.592	ug/L	97
16) Methylene chloride	3.039	84	104034	47.618	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	94302	47.972	ug/L	95
18) Methyl tert-butyl Ether	3.357	73	327591	52.062	ug/L	99
19) 1,1-Dichloroethane	3.859	63	175333	48.178	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	106635	50.711	ug/L	99
22) 2-Butanone	4.714	43	117613	103.638	ug/L	100
23) Bromochloromethane	4.968	128	57399	47.552	ug/L	97
25) Chloroform	5.078	83	215162	48.715	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	181798	48.865	ug/L	98
29) Cyclohexane	5.380	56	139110	52.398	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	207153	47.980	ug/L	100
31) Carbon tetrachloride	5.515	117	183250	47.855	ug/L	99
33) Benzene	5.766	78	394886	50.074	ug/L	100
34) Trichloroethene	6.537	95	114255	49.625	ug/L	97
35) Methylcyclohexane	6.756	83	161786	51.648	ug/L	99
37) 1,2-Dichloropropane	6.782	63	95579	49.115	ug/L	99
38) Bromodichloromethane	7.097	83	159761	48.462	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	173399	50.885	ug/L	99
40) 4-Methyl-2-pentanone	7.807	43	218355	110.122	ug/L	99
42) Toluene	7.962	91	428365	50.515	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	176248	51.517	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	107831	50.359	ug/L	99
46) Tetrachloroethene	8.547	164	87753	50.386	ug/L	97
48) 2-Hexanone	8.698	43	173448	108.727	ug/L	98
49) Dibromochloromethane	8.807	129	126804	48.594	ug/L	96
50) 1,2-Dibromoethane	8.917	107	115756	50.965	ug/L	100
51) Chlorobenzene	9.444	112	290680	51.016	ug/L	100
52) Ethylbenzene	9.566	91	498084	52.747	ug/L	99
53) m,p-Xylene	9.688	106	187144	53.017	ug/L	96
54) o-Xylene	10.097	106	181297	52.592	ug/L	95
55) Styrene	10.113	104	305729	52.373	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.782	83	159823	49.501	ug/L	96
59) Bromoform	10.293	173	99266	49.736	ug/L	100
60) 1,2,3-Trichloropropane	10.820	75	134470	51.575	ug/L	99
61) Isopropylbenzene	10.479	105	492188	54.599	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	429334	55.690	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	429323	56.729	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	219714	51.718	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	220957	50.667	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	218062	50.925	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	36156	51.934	ug/L	99
69) 1,3,5-Trichlorobenzene	13.212	180	158990	52.281	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	130158	56.217	ug/L	99
71) Naphthalene	14.080	128	327521	60.541	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	124899	57.043	ug/L	100

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

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