

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057406.D
 Acq On : 09 Jan 2024 00:45
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

Quant Time: Jan 09 05:09:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 00:42:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	284329	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	277471	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	135309	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	90372	46.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.360%
7) Chloroethane-d5	1.914	69	66966	44.219	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.440%
11) 1,1-Dichloroethene-d2	2.560	63	187934	45.308	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.620%
21) 2-Butanone-d5	4.631	46	97115	102.415	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.410%
24) Chloroform-d	5.055	84	208790	45.118	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.240%
26) 1,2-Dichloroethane-d4	5.692	65	140408	45.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.860%
32) Benzene-d6	5.721	84	359014	48.201	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.682	67	99255	47.215	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.420%
41) Toluene-d8	7.891	98	340824	48.830	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.660%
43) trans-1,3-Dichloroprop...	8.174	79	61655	49.137	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.280%
47) 2-Hexanone-d5	8.644	63	76516	111.341	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.340%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	151387	48.189	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.380%
66) 1,2-Dichlorobenzene-d4	12.190	152	126243	47.703	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	150072	46.266	ug/L	98
3) Chloromethane	1.518	50	93994	46.180	ug/L	99
5) Vinyl chloride	1.605	62	103956	47.709	ug/L	98
6) Bromomethane	1.859	94	66562	46.153	ug/L	98
8) Chloroethane	1.933	64	58632	46.002	ug/L	90
9) Trichlorofluoromethane	2.129	101	207667	45.677	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	101103	46.305	ug/L	98
12) 1,1-Dichloroethene	2.570	96	90842	47.152	ug/L	93
13) Acetone	2.647	43	82424	71.378	ug/L	67
14) Carbon disulfide	2.785	76	278774	46.718	ug/L	98
15) Methyl Acetate	2.949	43	73880	49.043	ug/L	97
16) Methylene chloride	3.039	84	102254	46.681	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	94214	47.801	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	321728	50.997	ug/L	99
19) 1,1-Dichloroethane	3.859	63	172202	47.194	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	103129	48.915	ug/L	98
22) 2-Butanone	4.714	43	105931	93.100	ug/L	100
23) Bromochloromethane	4.968	128	56573	46.745	ug/L	96
25) Chloroform	5.078	83	207870	46.941	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	179203	48.041	ug/L	100
29) Cyclohexane	5.383	56	133593	50.890	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	201360	47.167	ug/L	99
31) Carbon tetrachloride	5.515	117	179674	47.452	ug/L	99
33) Benzene	5.766	78	387491	49.693	ug/L	100
34) Trichloroethene	6.534	95	110826	48.681	ug/L	98
35) Methylcyclohexane	6.756	83	155628	50.245	ug/L	100
37) 1,2-Dichloropropane	6.782	63	94811	49.272	ug/L	100
38) Bromodichloromethane	7.097	83	155430	47.682	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	168939	50.138	ug/L	99
40) 4-Methyl-2-pentanone	7.801	43	213386	108.835	ug/L	99
42) Toluene	7.965	91	422156	50.347	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	168869	49.920	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	104990	49.588	ug/L	98
46) Tetrachloroethene	8.547	164	83928	48.735	ug/L	96
48) 2-Hexanone	8.695	43	159254	100.961	ug/L	97
49) Dibromochloromethane	8.804	129	122401	47.438	ug/L	100
50) 1,2-Dibromoethane	8.917	107	113216	50.411	ug/L	97
51) Chlorobenzene	9.444	112	277179	49.197	ug/L	98
52) Ethylbenzene	9.566	91	483910	51.827	ug/L	98
53) m,p-Xylene	9.689	106	182619	52.321	ug/L	100
54) o-Xylene	10.097	106	173511	50.904	ug/L	97
55) Styrene	10.113	104	302263	52.366	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.782	83	158152	49.538	ug/L	97
59) Bromoform	10.290	173	96345	49.107	ug/L	99
60) 1,2,3-Trichloropropane	10.820	75	132925	51.864	ug/L	99
61) Isopropylbenzene	10.480	105	475791	53.693	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	412161	54.387	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	409537	55.051	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	212897	50.980	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	213727	49.857	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	209809	49.845	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	34176	49.939	ug/L	93
69) 1,3,5-Trichlorobenzene	13.213	180	148705	49.745	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	123227	54.144	ug/L	100
71) Naphthalene	14.081	128	316030	59.428	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	119549	55.544	ug/L	99

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

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