

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059077.D
 Acq On : 30 May 2024 01:18
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050167

Quant Time: May 30 02:34:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:34:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	214436	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	218146	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109078	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	62739	48.865	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.740%
7) Chloroethane-d5	1.908	69	54120	49.208	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.420%
11) 1,1-Dichloroethene-d2	2.567	63	123682	48.803	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.600%
21) 2-Butanone-d5	4.608	46	118592	97.996	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.000%
24) Chloroform-d	5.052	84	127959	50.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.120%
26) 1,2-Dichloroethane-d4	5.692	65	77391	49.402	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.800%
32) Benzene-d6	5.718	84	241271	48.189	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.380%
36) 1,2-Dichloropropane-d6	6.682	67	81427	47.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.340%
41) Toluene-d8	7.891	98	209496	49.290	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.580%
43) trans-1,3-Dichloroprop...	8.174	79	32806	47.013	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.020%
47) 2-Hexanone-d5	8.624	63	73242	91.747	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.750%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	131082	44.865	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.740%
66) 1,2-Dichlorobenzene-d4	12.187	152	76037	46.711	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	106329	48.938	ug/L	100
3) Chloromethane	1.518	50	120733	48.080	ug/L	100
5) Vinyl chloride	1.602	62	121913	49.409	ug/L	100
6) Bromomethane	1.850	94	71347	36.143	ug/L	98
8) Chloroethane	1.927	64	73472	47.750	ug/L	99
9) Trichlorofluoromethane	2.133	101	139485	48.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	79728	47.725	ug/L	97
12) 1,1-Dichloroethene	2.573	96	75096	49.562	ug/L	98
13) Acetone	2.615	43	93633	65.825	ug/L	99
14) Carbon disulfide	2.789	76	247896	48.579	ug/L	100
15) Methyl Acetate	2.936	43	108403	48.111	ug/L	98
16) Methylene chloride	3.036	84	95078	46.376	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	80568	49.265	ug/L	96
18) Methyl tert-butyl Ether	3.351	73	254226	47.856	ug/L	100
19) 1,1-Dichloroethane	3.859	63	168835	48.164	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	92183	49.465	ug/L	95
22) 2-Butanone	4.689	43	147499	85.649	ug/L	99
23) Bromochloromethane	4.965	128	45331	48.022	ug/L	95
25) Chloroform	5.078	83	168479	49.636	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	136260	47.520	ug/L	100
29) Cyclohexane	5.380	56	134892	46.317	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	132577	46.742	ug/L	99
31) Carbon tetrachloride	5.518	117	108878	47.259	ug/L	98
33) Benzene	5.766	78	372728	47.318	ug/L	100
34) Trichloroethene	6.534	95	93920	48.694	ug/L	98
35) Methylcyclohexane	6.756	83	133462	47.061	ug/L	100
37) 1,2-Dichloropropane	6.782	63	106280	47.515	ug/L	99
38) Bromodichloromethane	7.097	83	120960	46.425	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	140919	45.534	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	280177	95.545	ug/L	99
42) Toluene	7.962	91	389940	49.317	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	129510	46.224	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	94536	47.007	ug/L	99
46) Tetrachloroethene	8.547	164	62372	48.549	ug/L	92
48) 2-Hexanone	8.676	43	217643	88.002	ug/L	99
49) Dibromochloromethane	8.801	129	85253	46.907	ug/L	99
50) 1,2-Dibromoethane	8.917	107	98598	47.528	ug/L	96
51) Chlorobenzene	9.441	112	232118	48.640	ug/L	99
52) Ethylbenzene	9.563	91	407344	49.972	ug/L	100
53) m,p-Xylene	9.689	106	151345	50.518	ug/L	99
54) o-Xylene	10.094	106	145369	50.068	ug/L	99
55) Styrene	10.107	104	253871	51.441	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	165825	45.264	ug/L	98
59) Bromoform	10.283	173	66094	46.214	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	131822	43.458	ug/L	99
61) Isopropylbenzene	10.476	105	379903	49.505	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	273210	49.138	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	301454	50.015	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	173194	48.289	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	176427	47.630	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	172229	45.944	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	33843	44.009	ug/L	99
69) 1,3,5-Trichlorobenzene	13.213	180	111542	47.090	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	94217	49.801	ug/L	97
71) Naphthalene	14.081	128	268265	44.798	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	98191	51.051	ug/L	98

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

