

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053024\
 Data File : VU059101.D
 Acq On : 30 May 2024 17:53
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050169

Quant Time: May 31 03:25:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	223852	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	222367	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	112425	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	58365	43.546	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.100%
7) Chloroethane-d5	1.907	69	49935	43.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.980%
11) 1,1-Dichloroethene-d2	2.563	63	119088	45.014	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.020%
21) 2-Butanone-d5	4.608	46	121321	96.034	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.030%
24) Chloroform-d	5.055	84	125700	47.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
26) 1,2-Dichloroethane-d4	5.692	65	75807	46.355	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
32) Benzene-d6	5.721	84	232008	45.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.920%
36) 1,2-Dichloropropane-d6	6.682	67	79263	45.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.080%
41) Toluene-d8	7.891	98	199903	46.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.280%
43) trans-1,3-Dichloroprop...	8.174	79	34904	49.070	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.140%
47) 2-Hexanone-d5	8.624	63	73816	90.711	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.710%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	129448	43.465	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.920%
66) 1,2-Dichlorobenzene-d4	12.187	152	74313	44.293	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	110246	48.607	ug/L	100
3) Chloromethane	1.518	50	124948	47.666	ug/L	99
5) Vinyl chloride	1.602	62	127935	49.669	ug/L	100
6) Bromomethane	1.850	94	74721	36.260	ug/L	97
8) Chloroethane	1.930	64	75738	47.153	ug/L	99
9) Trichlorofluoromethane	2.133	101	141353	47.159	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	82998	47.593	ug/L	97
12) 1,1-Dichloroethene	2.573	96	78485	49.620	ug/L	95
13) Acetone	2.615	43	96075	64.701	ug/L	99
14) Carbon disulfide	2.788	76	264111	49.579	ug/L	100
15) Methyl Acetate	2.940	43	114896	48.848	ug/L	97
16) Methylene chloride	3.036	84	99741	46.604	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	85711	50.205	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	266672	48.088	ug/L	100
19) 1,1-Dichloroethane	3.859	63	174774	47.761	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	95991	49.342	ug/L	96
22) 2-Butanone	4.689	43	151639	84.349	ug/L	100
23) Bromochloromethane	4.965	128	47087	47.784	ug/L	98
25) Chloroform	5.078	83	171543	48.413	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	139070	46.460	ug/L	99
29) Cyclohexane	5.380	56	144842	48.790	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	137968	47.720	ug/L	100
31) Carbon tetrachloride	5.515	117	110885	47.217	ug/L	99
33) Benzene	5.766	78	389114	48.460	ug/L	100
34) Trichloroethene	6.534	95	98536	50.118	ug/L	99
35) Methylcyclohexane	6.756	83	141886	49.082	ug/L	100
37) 1,2-Dichloropropane	6.782	63	108974	47.794	ug/L	100
38) Bromodichloromethane	7.097	83	126781	47.736	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	154772	49.061	ug/L	98
40) 4-Methyl-2-pentanone	7.779	43	293518	98.194	ug/L	99
42) Toluene	7.962	91	403875	50.109	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	144957	50.756	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	98382	47.991	ug/L	97
46) Tetrachloroethene	8.547	164	64652	49.368	ug/L	96
48) 2-Hexanone	8.676	43	226490	89.840	ug/L	97
49) Dibromochloromethane	8.801	129	91047	49.144	ug/L	97
50) 1,2-Dibromoethane	8.917	107	102967	48.692	ug/L	98
51) Chlorobenzene	9.441	112	240400	49.419	ug/L	100
52) Ethylbenzene	9.563	91	426869	51.373	ug/L	100
53) m,p-Xylene	9.688	106	157261	51.496	ug/L	99
54) o-Xylene	10.094	106	151102	51.055	ug/L	99
55) Styrene	10.106	104	268024	53.278	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	169248	45.321	ug/L	98
59) Bromoform	10.283	173	69420	47.094	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	136928	43.797	ug/L	99
61) Isopropylbenzene	10.476	105	403137	50.969	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	287652	50.195	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	321394	51.735	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	181579	49.119	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	188472	49.367	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	180745	46.780	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	36667	46.262	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	120072	49.182	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	104863	53.778	ug/L	98
71) Naphthalene	14.081	128	348191	56.414	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	109885	55.430	ug/L	99

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

