

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062124\
 Data File : VU059411.D
 Acq On : 21 Jun 2024 14:17
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

Quant Time: Jun 22 00:05:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 00:01:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	248718	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	245414	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129821	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	74103	49.761	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.520%
7) Chloroethane-d5	1.904	69	58905	46.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.360%
11) 1,1-Dichloroethene-d2	2.560	63	130432	44.373	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.740%
21) 2-Butanone-d5	4.611	46	106229	75.681	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.680%
24) Chloroform-d	5.052	84	128783	43.441	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.880%
26) 1,2-Dichloroethane-d4	5.692	65	77927	42.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.780%
32) Benzene-d6	5.721	84	262501	46.604	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.682	67	79721	41.049	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.100%
41) Toluene-d8	7.891	98	247224	51.703	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.400%
43) trans-1,3-Dichloroprop...	8.174	79	36760	46.826	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.660%
47) 2-Hexanone-d5	8.624	63	71819	79.968	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.970%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	125006	38.032	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.060%
66) 1,2-Dichlorobenzene-d4	12.187	152	94071	48.556	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	97416	38.656	ug/L	100
3) Chloromethane	1.518	50	105785	36.321	ug/L	100
5) Vinyl chloride	1.599	62	119981	41.924	ug/L	99
6) Bromomethane	1.850	94	76828	33.555	ug/L	97
8) Chloroethane	1.927	64	72480	40.613	ug/L	99
9) Trichlorofluoromethane	2.132	101	146509	43.993	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	90273	46.589	ug/L	91
12) 1,1-Dichloroethene	2.573	96	83910	47.746	ug/L	83
13) Acetone	2.615	43	102489	62.120	ug/L	98
14) Carbon disulfide	2.785	76	234993	39.703	ug/L	99
15) Methyl Acetate	2.939	43	111413	42.631	ug/L	96
16) Methylene chloride	3.036	84	101836	42.826	ug/L	90
17) trans-1,2-Dichloroethene	3.345	96	89659	47.267	ug/L	89
18) Methyl tert-butyl Ether	3.354	73	281441	45.677	ug/L	96
19) 1,1-Dichloroethane	3.859	63	170538	41.944	ug/L	96
20) cis-1,2-Dichloroethene	4.656	96	105027	48.589	ug/L	86
22) 2-Butanone	4.689	43	160949	80.577	ug/L	98
23) Bromochloromethane	4.965	128	55292	50.500	ug/L	81
25) Chloroform	5.078	83	177293	45.034	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	135560	40.760	ug/L	98
29) Cyclohexane	5.380	56	136119	41.545	ug/L	93
30) 1,1,1-Trichloroethane	5.309	97	143358	44.927	ug/L	97
31) Carbon tetrachloride	5.518	117	118676	45.788	ug/L	100
33) Benzene	5.766	78	391384	44.166	ug/L	100
34) Trichloroethene	6.534	95	105347	48.550	ug/L	92
35) Methylcyclohexane	6.756	83	148763	46.628	ug/L	91
37) 1,2-Dichloropropane	6.782	63	105793	42.042	ug/L #	97
38) Bromodichloromethane	7.097	83	130653	44.574	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	158178	45.432	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	294364	89.229	ug/L #	95
42) Toluene	7.962	91	427443	48.053	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	145013	46.007	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	107040	47.311	ug/L	98
46) Tetrachloroethene	8.547	164	79742	55.172	ug/L	90
48) 2-Hexanone	8.676	43	237567	85.385	ug/L #	96
49) Dibromochloromethane	8.804	129	104802	51.256	ug/L	99
50) 1,2-Dibromoethane	8.917	107	112840	48.350	ug/L	96
51) Chlorobenzene	9.441	112	269742	50.243	ug/L	96
52) Ethylbenzene	9.563	91	446773	48.719	ug/L	97
53) m,p-Xylene	9.688	106	172220	51.098	ug/L	94
54) o-Xylene	10.094	106	166686	51.031	ug/L	96
55) Styrene	10.110	104	294989	53.131	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	181315	43.993	ug/L	99
59) Bromoform	10.283	173	85393	50.168	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	143890	39.857	ug/L	98
61) Isopropylbenzene	10.479	105	443049	48.509	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	325677	49.215	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	357488	49.834	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	215639	50.516	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	219607	49.814	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	215890	48.389	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	41932	45.816	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.216	180	153767	54.544	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	134891	59.908	ug/L	98
71) Naphthalene	14.081	128	446034	62.583	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	138770	60.621	ug/L	98

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

