

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071724\
 Data File : VU060007.D
 Acq On : 17 Jul 2024 20:29
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085

Quant Time: Jul 18 02:52:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 02:31:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	229996	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	226739	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	118024	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	56015	37.932	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.860%
7) Chloroethane-d5	1.901	69	52117	41.958	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.920%
11) 1,1-Dichloroethene-d2	2.560	63	107581	41.007	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.020%
21) 2-Butanone-d5	4.615	46	118736	115.697	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.700%
24) Chloroform-d	5.052	84	137156	47.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.920%
26) 1,2-Dichloroethane-d4	5.692	65	82483	48.509	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.020%
32) Benzene-d6	5.721	84	261090	44.968	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.940%
36) 1,2-Dichloropropane-d6	6.682	67	85583	47.626	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.260%
41) Toluene-d8	7.891	98	239245	43.330	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.660%
43) trans-1,3-Dichloroprop...	8.174	79	37395	44.471	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.940%
47) 2-Hexanone-d5	8.627	63	81037	107.005	ug/L	-0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.000%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	149446	54.184	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.360%
66) 1,2-Dichlorobenzene-d4	12.187	152	99548	45.900	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	67584	47.315	ug/L	100
3) Chloromethane	1.518	50	76690	54.713	ug/L	100
5) Vinyl chloride	1.602	62	88608	53.850	ug/L	99
6) Bromomethane	1.843	94	56696	65.597	ug/L	97
8) Chloroethane	1.923	64	57521	53.696	ug/L	98
9) Trichlorofluoromethane	2.129	101	114007	49.767	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	74277	50.938	ug/L	97
12) 1,1-Dichloroethene	2.573	96	67546	49.530	ug/L	82
13) Acetone	2.618	43	77293	73.140	ug/L	93
14) Carbon disulfide	2.785	76	164175	47.698	ug/L	99
15) Methyl Acetate	2.943	43	88051	55.264	ug/L	99
16) Methylene chloride	3.036	84	87858	51.091	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	71025	50.589	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	230636	50.579	ug/L	98
19) 1,1-Dichloroethane	3.859	63	142946	53.683	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	87316	51.361	ug/L	95
22) 2-Butanone	4.692	43	124386	95.667	ug/L	97
23) Bromochloromethane	4.968	128	46968	52.378	ug/L	97
25) Chloroform	5.078	83	154994	54.092	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	111492	51.255	ug/L	98
29) Cyclohexane	5.380	56	93447	46.027	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	122462	52.135	ug/L	98
31) Carbon tetrachloride	5.515	117	101238	52.176	ug/L	99
33) Benzene	5.766	78	326240	53.282	ug/L	100
34) Trichloroethene	6.534	95	82928	50.754	ug/L	98
35) Methylcyclohexane	6.756	83	101502	44.981	ug/L	99
37) 1,2-Dichloropropane	6.782	63	88063	52.253	ug/L	99
38) Bromodichloromethane	7.100	83	116641	54.622	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	125907	48.829	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	233051	109.410	ug/L	97
42) Toluene	7.962	91	353258	52.849	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	118610	50.078	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	95648	54.192	ug/L	98
46) Tetrachloroethene	8.547	164	65247	48.541	ug/L	98
48) 2-Hexanone	8.676	43	192615	108.046	ug/L	97
49) Dibromochloromethane	8.804	129	93183	53.583	ug/L	100
50) 1,2-Dibromoethane	8.917	107	99761	54.059	ug/L	97
51) Chlorobenzene	9.441	112	226850	51.121	ug/L	98
52) Ethylbenzene	9.563	91	358939	50.285	ug/L	100
53) m,p-Xylene	9.688	106	139484	50.187	ug/L	99
54) o-Xylene	10.094	106	137740	51.538	ug/L	99
55) Styrene	10.110	104	242832	53.856	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	166861	56.060	ug/L	99
59) Bromoform	10.283	173	79771	55.899	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	127639	56.984	ug/L	98
61) Isopropylbenzene	10.479	105	351900	51.149	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	244370	48.520	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	268018	49.681	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	182397	51.120	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	182966	49.605	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	183946	51.034	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	37177	60.690	ug/L	98
69) 1,3,5-Trichlorobenzene	13.212	180	121970	47.413	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	109204	47.099	ug/L	100
71) Naphthalene	14.081	128	365664	54.573	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	124052	53.326	ug/L	99

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

