

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058962.D
 Acq On : 23 May 2024 20:46
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

Quant Time: May 24 07:08:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:52:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	194504	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	194821	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	106294	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	95570	46.457	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.920%
7) Chloroethane-d5	1.907	69	78623	45.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.980%
11) 1,1-Dichloroethene-d2	2.563	63	145690	46.355	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.700%
21) 2-Butanone-d5	4.618	46	150732	106.670	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.670%
24) Chloroform-d	5.055	84	165982	47.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.080%
26) 1,2-Dichloroethane-d4	5.695	65	102539	47.516	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.040%
32) Benzene-d6	5.721	84	330809	49.807	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.620%
36) 1,2-Dichloropropane-d6	6.682	67	110507	50.373	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.740%
41) Toluene-d8	7.891	98	304043	51.070	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.140%
43) trans-1,3-Dichloroprop...	8.174	79	48169	48.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.800%
47) 2-Hexanone-d5	8.627	63	99547	109.716	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.720%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	163568	49.561	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.120%
66) 1,2-Dichlorobenzene-d4	12.187	152	106009	48.334	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	59513	45.732	ug/L	98
3) Chloromethane	1.518	50	64130	45.989	ug/L	98
5) Vinyl chloride	1.602	62	74956	46.031	ug/L	97
6) Bromomethane	1.853	94	43026	44.579	ug/L	96
8) Chloroethane	1.930	64	52604	47.106	ug/L	98
9) Trichlorofluoromethane	2.136	101	103846	46.888	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	65933	43.793	ug/L	98
12) 1,1-Dichloroethene	2.576	96	54639	45.345	ug/L	96
13) Acetone	2.631	43	101306	81.313	ug/L	99
14) Carbon disulfide	2.788	76	101851	44.928	ug/L	99
15) Methyl Acetate	2.946	43	103744	51.671	ug/L	100
16) Methylene chloride	3.036	84	78371	40.774	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	57632	47.610	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	240183	50.128	ug/L	99
19) 1,1-Dichloroethane	3.862	63	145948	47.329	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	81178	50.663	ug/L	99
22) 2-Butanone	4.698	43	155728	95.955	ug/L	98
23) Bromochloromethane	4.968	128	40034	47.929	ug/L	93
25) Chloroform	5.081	83	154786	47.542	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	119848	48.227	ug/L	99
29) Cyclohexane	5.380	56	81903	49.392	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	117604	50.296	ug/L	98
31) Carbon tetrachloride	5.518	117	91018	48.192	ug/L	99
33) Benzene	5.769	78	294941	50.357	ug/L	100
34) Trichloroethene	6.534	95	616404	396.525	ug/L	98
35) Methylcyclohexane	6.756	83	87799	48.188	ug/L	99
37) 1,2-Dichloropropane	6.785	63	92237	48.456	ug/L	98
38) Bromodichloromethane	7.097	83	118245	49.985	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	129969	49.569	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	298798	110.114	ug/L	99
42) Toluene	7.962	91	314838	50.148	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	124230	50.051	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	93486	49.746	ug/L	99
46) Tetrachloroethene	8.547	164	48888	47.168	ug/L	94
48) 2-Hexanone	8.676	43	247355	110.709	ug/L	98
49) Dibromochloromethane	8.804	129	89769	49.987	ug/L	94
50) 1,2-Dibromoethane	8.917	107	91612	51.017	ug/L	96
51) Chlorobenzene	9.441	112	202743	48.857	ug/L	99
52) Ethylbenzene	9.563	91	340818	50.163	ug/L	100
53) m,p-Xylene	9.688	106	123535	50.618	ug/L	96
54) o-Xylene	10.094	106	125705	51.462	ug/L	96
55) Styrene	10.110	104	231020	52.947	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	170259	50.275	ug/L	98
59) Bromoform	10.283	173	70798	50.253	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	138284	51.122	ug/L	99
61) Isopropylbenzene	10.479	105	342552	50.467	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	270575	50.599	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	287611	53.332	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	165514	46.970	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	169641	47.662	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	172086	48.013	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	38718	52.910	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	111753	45.025	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	98938	46.279	ug/L	98
71) Naphthalene	14.081	128	319882	51.300	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	105086	47.990	ug/L	98

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

