

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059052.D
 Acq On : 29 May 2024 15:04
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

Quant Time: May 30 00:30:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:25:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	185807	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	187244	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	91352	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	53846	48.401	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.800%
7) Chloroethane-d5	1.882	69	47685	50.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.080%
11) 1,1-Dichloroethene-d2	2.557	63	102781	46.805	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.620%
21) 2-Butanone-d5	4.608	46	125414	119.601	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.600%
24) Chloroform-d	5.052	84	118313	53.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.840%
26) 1,2-Dichloroethane-d4	5.692	65	76722	56.521	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.040%
32) Benzene-d6	5.717	84	219890	51.166	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.340%
36) 1,2-Dichloropropane-d6	6.682	67	78484	52.966	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.940%
41) Toluene-d8	7.891	98	187339	51.351	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.700%
43) trans-1,3-Dichloroprop...	8.174	79	32851	54.847	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.700%
47) 2-Hexanone-d5	8.624	63	81478	118.908	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.910%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	135264	53.937	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.880%
66) 1,2-Dichlorobenzene-d4	12.187	152	72236	52.987	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	84037	44.638	ug/L	98
3) Chloromethane	1.515	50	101887	46.827	ug/L	99
5) Vinyl chloride	1.599	62	98954	46.283	ug/L	99
6) Bromomethane	1.824	94	83995	49.106	ug/L	97
8) Chloroethane	1.907	64	61584	46.191	ug/L	97
9) Trichlorofluoromethane	2.119	101	110624	44.464	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	65997	45.593	ug/L	98
12) 1,1-Dichloroethene	2.566	96	61315	46.702	ug/L	98
13) Acetone	2.615	43	103626	84.075	ug/L	98
14) Carbon disulfide	2.779	76	204977	46.357	ug/L	99
15) Methyl Acetate	2.936	43	107573	55.099	ug/L	97
16) Methylene chloride	3.033	84	87836	49.445	ug/L	99
17) trans-1,2-Dichloroethene	3.338	96	67895	47.913	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	247260	53.717	ug/L	99
19) 1,1-Dichloroethane	3.853	63	150481	49.542	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	81763	50.634	ug/L	100
22) 2-Butanone	4.688	43	148466	99.494	ug/L	99
23) Bromochloromethane	4.962	128	41551	50.799	ug/L	97
25) Chloroform	5.074	83	147070	50.005	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	127518	51.324	ug/L	99
29) Cyclohexane	5.377	56	110223	44.093	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	111857	45.946	ug/L	98
31) Carbon tetrachloride	5.512	117	88908	44.960	ug/L	99
33) Benzene	5.762	78	324151	47.942	ug/L	100
34) Trichloroethene	6.534	95	78093	47.170	ug/L	99
35) Methylcyclohexane	6.756	83	108631	44.627	ug/L	98
37) 1,2-Dichloropropane	6.782	63	94212	49.071	ug/L	99
38) Bromodichloromethane	7.097	83	109973	49.174	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	136516	51.391	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	273963	108.845	ug/L	100
42) Toluene	7.962	91	329952	48.617	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	126374	52.549	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	87276	50.559	ug/L	98
46) Tetrachloroethene	8.544	164	50279	45.595	ug/L	95
48) 2-Hexanone	8.675	43	224134	105.583	ug/L	99
49) Dibromochloromethane	8.801	129	77864	49.912	ug/L	97
50) 1,2-Dibromoethane	8.917	107	91690	51.493	ug/L	96
51) Chlorobenzene	9.441	112	199043	48.592	ug/L	99
52) Ethylbenzene	9.563	91	335905	48.008	ug/L	100
53) m,p-Xylene	9.688	106	124278	48.329	ug/L	100
54) o-Xylene	10.093	106	126781	50.872	ug/L	97
55) Styrene	10.106	104	217828	51.422	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	162638	51.720	ug/L	96
59) Bromoform	10.283	173	61142	51.047	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	128265	50.490	ug/L	99
61) Isopropylbenzene	10.476	105	311062	48.400	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	230251	49.447	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	259159	51.341	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	146340	48.719	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	148414	47.842	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	156459	49.836	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	35798	55.585	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	97427	49.112	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	81891	51.685	ug/L	98
71) Naphthalene	14.080	128	272115	54.259	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	85942	53.353	ug/L	98

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

