

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062124\
 Data File : VU059398.D
 Acq On : 21 Jun 2024 08:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050190

Quant Time: Jun 21 23:55:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 21 06:47:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	232956	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	232307	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120063	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	67642	48.496	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.000%
7) Chloroethane-d5	1.908	69	54198	45.361	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.720%
11) 1,1-Dichloroethene-d2	2.563	63	120583	43.798	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.600%
21) 2-Butanone-d5	4.612	46	81553	62.032	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	62.030%
24) Chloroform-d	5.055	84	119994	43.215	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.420%
26) 1,2-Dichloroethane-d4	5.695	65	70904	41.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.320%
32) Benzene-d6	5.721	84	241756	45.342	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.680%
36) 1,2-Dichloropropane-d6	6.685	67	73729	40.105	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.220%
41) Toluene-d8	7.894	98	229564	50.719	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.440%
43) trans-1,3-Dichloroprop...	8.177	79	34073	45.852	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.700%
47) 2-Hexanone-d5	8.627	63	52887	62.211	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	62.210%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	113118	36.357	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	72.720%
66) 1,2-Dichlorobenzene-d4	12.187	152	84216	47.002	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	95841	40.604	ug/L	100
3) Chloromethane	1.518	50	97572	35.768	ug/L	99
5) Vinyl chloride	1.599	62	109752	40.944	ug/L	100
6) Bromomethane	1.850	94	73944	34.481	ug/L	98
8) Chloroethane	1.927	64	67895	40.618	ug/L	98
9) Trichlorofluoromethane	2.133	101	139447	44.705	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	89498	49.314	ug/L	91
12) 1,1-Dichloroethene	2.573	96	78500	47.690	ug/L	86
13) Acetone	2.615	43	129174	83.591	ug/L	96
14) Carbon disulfide	2.785	76	227239	40.991	ug/L	98
15) Methyl Acetate	2.940	43	88451	36.135	ug/L	94
16) Methylene chloride	3.036	84	94689	42.514	ug/L	91
17) trans-1,2-Dichloroethene	3.345	96	82125	46.225	ug/L	90
18) Methyl tert-butyl Ether	3.354	73	245870	42.604	ug/L	97
19) 1,1-Dichloroethane	3.859	63	159015	41.756	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	93491	46.179	ug/L	90
22) 2-Butanone	4.689	43	148778	79.523	ug/L	92
23) Bromochloromethane	4.965	128	49649	48.414	ug/L	83
25) Chloroform	5.078	83	168453	45.683	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	128127	41.132	ug/L	96
29) Cyclohexane	5.383	56	121261	39.099	ug/L	92
30) 1,1,1-Trichloroethane	5.309	97	134151	44.414	ug/L	97
31) Carbon tetrachloride	5.518	117	113910	46.429	ug/L	99
33) Benzene	5.766	78	361698	43.119	ug/L	100
34) Trichloroethene	6.538	95	99172	48.283	ug/L	90
35) Methylcyclohexane	6.759	83	139395	46.157	ug/L	92
37) 1,2-Dichloropropane	6.782	63	98502	41.353	ug/L	98
38) Bromodichloromethane	7.100	83	125841	45.354	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	142159	43.135	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	238459	76.361	ug/L #	96
42) Toluene	7.962	91	393640	46.750	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	132130	44.285	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	100992	47.156	ug/L	97
46) Tetrachloroethene	8.550	164	73506	53.727	ug/L	92
48) 2-Hexanone	8.676	43	201052	76.338	ug/L #	97
49) Dibromochloromethane	8.804	129	97528	50.390	ug/L	99
50) 1,2-Dibromoethane	8.917	107	102838	46.550	ug/L	97
51) Chlorobenzene	9.441	112	246524	48.509	ug/L	96
52) Ethylbenzene	9.566	91	407883	46.987	ug/L	100
53) m,p-Xylene	9.689	106	158510	49.684	ug/L	95
54) o-Xylene	10.097	106	154614	50.006	ug/L	93
55) Styrene	10.110	104	269913	51.357	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	162156	41.564	ug/L	97
59) Bromoform	10.287	173	79158	50.284	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	129165	38.686	ug/L	98
61) Isopropylbenzene	10.480	105	400986	47.472	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	289801	47.353	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	316084	47.644	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	196102	49.673	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	201059	49.314	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	196783	47.691	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	33935	40.092	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.216	180	136757	52.453	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	115901	55.658	ug/L	98
71) Naphthalene	14.081	128	322264	48.892	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	120141	56.748	ug/L	99

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

