

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061824\
 Data File : VU059314.D
 Acq On : 18 Jun 2024 15:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050185

Quant Time: Jun 19 04:41:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 03:23:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	191587	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	194499	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	104166	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	52373	45.656	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.320%
7) Chloroethane-d5	1.908	69	49242	50.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.220%
11) 1,1-Dichloroethene-d2	2.563	63	103982	45.923	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.840%
21) 2-Butanone-d5	4.612	46	87855	81.255	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.250%
24) Chloroform-d	5.055	84	111101	48.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.300%
26) 1,2-Dichloroethane-d4	5.695	65	66195	47.294	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.580%
32) Benzene-d6	5.721	84	215199	48.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.420%
36) 1,2-Dichloropropane-d6	6.682	67	67167	43.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.280%
41) Toluene-d8	7.891	98	197836	52.205	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.420%
43) trans-1,3-Dichloroprop...	8.174	79	28293	45.475	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.940%
47) 2-Hexanone-d5	8.627	63	57950	81.417	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.420%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	106407	40.848	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.700%
66) 1,2-Dichlorobenzene-d4	12.187	152	74884	48.172	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	87102	44.870	ug/L	99
3) Chloromethane	1.518	50	94920	42.309	ug/L	98
5) Vinyl chloride	1.599	62	103074	46.756	ug/L	99
6) Bromomethane	1.850	94	65968	37.404	ug/L	98
8) Chloroethane	1.927	64	64668	47.041	ug/L	99
9) Trichlorofluoromethane	2.133	101	127266	49.610	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	77529	51.944	ug/L	92
12) 1,1-Dichloroethene	2.573	96	71149	52.557	ug/L	85
13) Acetone	2.615	43	86753	68.262	ug/L	100
14) Carbon disulfide	2.785	76	207069	45.418	ug/L	99
15) Methyl Acetate	2.940	43	95181	47.281	ug/L	97
16) Methylene chloride	3.036	84	89514	48.869	ug/L	90
17) trans-1,2-Dichloroethene	3.345	96	75406	51.608	ug/L	90
18) Methyl tert-butyl Ether	3.354	73	229678	48.392	ug/L	96
19) 1,1-Dichloroethane	3.859	63	147643	47.141	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	86063	51.689	ug/L	87
22) 2-Butanone	4.692	43	136481	88.703	ug/L	96
23) Bromochloromethane	4.965	128	48008	56.923	ug/L	83
25) Chloroform	5.081	83	155084	51.139	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	120596	47.073	ug/L #	94
29) Cyclohexane	5.380	56	109383	42.124	ug/L	92
30) 1,1,1-Trichloroethane	5.309	97	123265	48.743	ug/L	98
31) Carbon tetrachloride	5.518	117	101947	49.631	ug/L	99
33) Benzene	5.766	78	339201	48.297	ug/L	100
34) Trichloroethene	6.538	95	87731	51.015	ug/L	89
35) Methylcyclohexane	6.759	83	120516	47.663	ug/L	95
37) 1,2-Dichloropropane	6.785	63	91511	45.886	ug/L	99
38) Bromodichloromethane	7.100	83	113357	48.797	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	125571	45.508	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	246418	94.249	ug/L #	96
42) Toluene	7.965	91	367674	52.154	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	114104	45.677	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	91633	51.103	ug/L	99
46) Tetrachloroethene	8.547	164	67290	58.745	ug/L	93
48) 2-Hexanone	8.676	43	203358	92.222	ug/L #	98
49) Dibromochloromethane	8.804	129	87636	54.080	ug/L	100
50) 1,2-Dibromoethane	8.917	107	95344	51.547	ug/L	98
51) Chlorobenzene	9.441	112	226800	53.303	ug/L	96
52) Ethylbenzene	9.566	91	374146	51.479	ug/L	98
53) m,p-Xylene	9.689	106	143842	53.851	ug/L	96
54) o-Xylene	10.097	106	140130	54.132	ug/L	94
55) Styrene	10.110	104	247675	56.287	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.775	83	156581	47.937	ug/L	97
59) Bromoform	10.287	173	70447	51.580	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	125193	43.219	ug/L	99
61) Isopropylbenzene	10.480	105	362951	49.527	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	257554	48.506	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	283925	49.328	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	178786	52.199	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	182109	51.482	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	178983	49.997	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	34221	46.599	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.216	180	119579	52.864	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	99362	54.997	ug/L	99
71) Naphthalene	14.084	128	348271	60.901	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	107105	58.312	ug/L	98

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

