

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062024\
 Data File : VU059396.D
 Acq On : 20 Jun 2024 21:47
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050189

Quant Time: Jun 21 06:51:17 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	6.242	114	251942	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	250969	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130332	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55746	36.955	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.900%
7) Chloroethane-d5	1.904	69	56084	43.402	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.563	63	118242	39.711	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.420%
21) 2-Butanone-d5	4.611	46	119135	83.789	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.790%
24) Chloroform-d	5.055	84	134383	44.750	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
26) 1,2-Dichloroethane-d4	5.695	65	79759	43.334	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.660%
32) Benzene-d6	5.721	84	256865	44.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.180%
36) 1,2-Dichloropropane-d6	6.685	67	82459	41.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.040%
41) Toluene-d8	7.891	98	227778	46.582	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.160%
43) trans-1,3-Dichloroprop...	8.174	79	32645	40.664	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.320%
47) 2-Hexanone-d5	8.624	63	77671	84.570	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.570%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	134226	39.933	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.860%
66) 1,2-Dichlorobenzene-d4	12.187	152	91678	47.135	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	98973	38.771	ug/L	100
3) Chloromethane	1.518	50	109566	37.138	ug/L	100
5) Vinyl chloride	1.599	62	121092	41.770	ug/L	97
6) Bromomethane	1.850	94	78208	33.721	ug/L	96
8) Chloroethane	1.927	64	74134	41.008	ug/L	99
9) Trichlorofluoromethane	2.132	101	145485	43.126	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	89106	45.398	ug/L	93
12) 1,1-Dichloroethene	2.573	96	86663	48.681	ug/L	81
13) Acetone	2.615	43	97701	58.460	ug/L	95
14) Carbon disulfide	2.785	76	239226	39.901	ug/L	99
15) Methyl Acetate	2.939	43	111660	42.179	ug/L	97
16) Methylene chloride	3.036	84	104821	43.517	ug/L	90
17) trans-1,2-Dichloroethene	3.345	96	90430	47.064	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	283096	45.358	ug/L	97
19) 1,1-Dichloroethane	3.859	63	173220	42.058	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	102416	46.775	ug/L	93
22) 2-Butanone	4.692	43	156378	77.287	ug/L	93
23) Bromochloromethane	4.965	128	55271	49.835	ug/L	83
25) Chloroform	5.078	83	181487	45.509	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	139361	41.367	ug/L	98
29) Cyclohexane	5.383	56	133071	39.716	ug/L	92
30) 1,1,1-Trichloroethane	5.309	97	143816	44.073	ug/L	97
31) Carbon tetrachloride	5.518	117	117068	44.168	ug/L	99
33) Benzene	5.766	78	400810	44.228	ug/L	100
34) Trichloroethene	6.537	95	104781	47.220	ug/L	93
35) Methylcyclohexane	6.756	83	141770	43.453	ug/L	93
37) 1,2-Dichloropropane	6.785	63	109359	42.497	ug/L	98
38) Bromodichloromethane	7.100	83	131857	43.989	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	148725	41.771	ug/L	95
40) 4-Methyl-2-pentanone	7.782	43	292781	86.785	ug/L #	95
42) Toluene	7.965	91	431155	47.398	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	135716	42.104	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	107797	46.591	ug/L	98
46) Tetrachloroethene	8.547	164	76895	52.025	ug/L	94
48) 2-Hexanone	8.676	43	234854	82.541	ug/L #	95
49) Dibromochloromethane	8.804	129	102424	48.984	ug/L	99
50) 1,2-Dibromoethane	8.917	107	113270	47.460	ug/L	98
51) Chlorobenzene	9.441	112	266906	48.615	ug/L	96
52) Ethylbenzene	9.566	91	445367	47.491	ug/L	97
53) m,p-Xylene	9.688	106	173906	50.456	ug/L	94
54) o-Xylene	10.097	106	168947	50.579	ug/L	94
55) Styrene	10.110	104	297466	52.391	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	181112	42.971	ug/L	98
59) Bromoform	10.286	173	82509	48.283	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	146970	40.550	ug/L	98
61) Isopropylbenzene	10.479	105	435239	47.467	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	314798	47.385	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	345192	47.932	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	211377	49.324	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	214628	48.494	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	211427	47.203	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	41019	44.642	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.216	180	144089	50.910	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	124521	55.086	ug/L	98
71) Naphthalene	14.081	128	381277	53.287	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	131394	57.174	ug/L	98

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

