

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062624\
 Data File : VU059544.D
 Acq On : 27 Jun 2024 00:01
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050195

Quant Time: Jun 27 05:15:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 27 04:10:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	210552	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	216777	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	115637	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	66776	52.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.940%
7) Chloroethane-d5	1.907	69	55330	51.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.480%
11) 1,1-Dichloroethene-d2	2.560	63	117666	47.286	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.580%
21) 2-Butanone-d5	4.615	46	106510	89.636	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.640%
24) Chloroform-d	5.055	84	125823	50.136	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.280%
26) 1,2-Dichloroethane-d4	5.695	65	74429	48.387	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.780%
32) Benzene-d6	5.721	84	245926	49.429	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.860%
36) 1,2-Dichloropropane-d6	6.685	67	76852	44.799	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.600%
41) Toluene-d8	7.894	98	226299	53.579	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.160%
43) trans-1,3-Dichloroprop...	8.177	79	32432	46.770	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.540%
47) 2-Hexanone-d5	8.627	63	71180	89.727	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.730%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	127408	43.883	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.760%
66) 1,2-Dichlorobenzene-d4	12.190	152	86713	50.248	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	87240	40.893	ug/L	99
3) Chloromethane	1.518	50	97326	39.474	ug/L	100
5) Vinyl chloride	1.602	62	107716	44.460	ug/L	99
6) Bromomethane	1.849	94	67599	34.876	ug/L	99
8) Chloroethane	1.927	64	67621	44.758	ug/L	96
9) Trichlorofluoromethane	2.132	101	131203	46.538	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	79261	48.321	ug/L	91
12) 1,1-Dichloroethene	2.573	96	77598	52.158	ug/L	82
13) Acetone	2.618	43	96739	69.263	ug/L	95
14) Carbon disulfide	2.785	76	208834	41.679	ug/L	99
15) Methyl Acetate	2.939	43	104559	47.261	ug/L	95
16) Methylene chloride	3.036	84	96836	48.105	ug/L	88
17) trans-1,2-Dichloroethene	3.345	96	78598	48.947	ug/L	89
18) Methyl tert-butyl Ether	3.357	73	241442	46.288	ug/L	96
19) 1,1-Dichloroethane	3.859	63	156460	45.457	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	92202	50.388	ug/L	91
22) 2-Butanone	4.692	43	149950	88.678	ug/L	95
23) Bromochloromethane	4.968	128	51381	55.435	ug/L	# 80
25) Chloroform	5.081	83	164354	49.314	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	126468	44.919	ug/L	98
29) Cyclohexane	5.383	56	107003	36.973	ug/L	90
30) 1,1,1-Trichloroethane	5.306	97	133033	47.199	ug/L	96
31) Carbon tetrachloride	5.518	117	109916	48.011	ug/L	100
33) Benzene	5.766	78	356640	45.561	ug/L	100
34) Trichloroethene	6.537	95	90590	47.264	ug/L	90
35) Methylcyclohexane	6.759	83	117582	41.724	ug/L	93
37) 1,2-Dichloropropane	6.785	63	99286	44.668	ug/L #	97
38) Bromodichloromethane	7.100	83	123288	47.618	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	131751	42.840	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	267814	91.906	ug/L #	95
42) Toluene	7.965	91	387328	49.296	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	121654	43.695	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	100523	50.300	ug/L	96
46) Tetrachloroethene	8.550	164	70722	55.396	ug/L	90
48) 2-Hexanone	8.679	43	221909	90.293	ug/L #	94
49) Dibromochloromethane	8.804	129	98304	54.429	ug/L	99
50) 1,2-Dibromoethane	8.917	107	105905	51.373	ug/L	98
51) Chlorobenzene	9.444	112	239417	50.486	ug/L	94
52) Ethylbenzene	9.566	91	383615	47.358	ug/L	97
53) m,p-Xylene	9.688	106	148115	49.752	ug/L	95
54) o-Xylene	10.097	106	146344	50.722	ug/L	92
55) Styrene	10.110	104	259903	52.995	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	175769	48.281	ug/L	98
59) Bromoform	10.286	173	81268	53.601	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	137164	42.654	ug/L	98
61) Isopropylbenzene	10.479	105	375629	46.172	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	260968	44.274	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	286755	44.877	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	191335	50.321	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	191190	48.688	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	191701	48.238	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	40406	49.564	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.216	180	123807	49.303	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	103566	51.638	ug/L	99
71) Naphthalene	14.084	128	330749	52.100	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	116981	57.371	ug/L	98

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

