

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062024\
 Data File : VU059382.D
 Acq On : 20 Jun 2024 15:56
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

Quant Time: Jun 21 05:59:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 21 05:55:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	241987	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240615	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	125682	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	59644	41.166	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.340%
7) Chloroethane-d5	1.904	69	54585	43.980	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.960%
11) 1,1-Dichloroethene-d2	2.563	63	116747	40.822	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.640%
21) 2-Butanone-d5	4.611	46	107200	78.497	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.500%
24) Chloroform-d	5.055	84	127631	44.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.500%
26) 1,2-Dichloroethane-d4	5.695	65	76696	43.384	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.760%
32) Benzene-d6	5.721	84	244611	44.294	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.580%
36) 1,2-Dichloropropane-d6	6.682	67	79788	41.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.800%
41) Toluene-d8	7.891	98	223064	47.581	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.160%
43) trans-1,3-Dichloroprop...	8.177	79	33464	43.477	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.960%
47) 2-Hexanone-d5	8.627	63	70711	80.305	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.310%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	124040	38.491	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.980%
66) 1,2-Dichlorobenzene-d4	12.187	152	86026	45.866	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	99192	40.456	ug/L	99
3) Chloromethane	1.518	50	110453	38.978	ug/L	100
5) Vinyl chloride	1.599	62	120534	43.288	ug/L	99
6) Bromomethane	1.849	94	77505	34.792	ug/L	98
8) Chloroethane	1.927	64	74842	43.103	ug/L	99
9) Trichlorofluoromethane	2.132	101	145582	44.930	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	88899	47.156	ug/L	92
12) 1,1-Dichloroethene	2.573	96	84985	49.702	ug/L	80
13) Acetone	2.615	43	97889	60.982	ug/L	94
14) Carbon disulfide	2.785	76	236145	41.007	ug/L	99
15) Methyl Acetate	2.939	43	109780	43.175	ug/L	95
16) Methylene chloride	3.036	84	101625	43.926	ug/L	90
17) trans-1,2-Dichloroethene	3.345	96	87902	47.630	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	274710	45.825	ug/L	96
19) 1,1-Dichloroethane	3.859	63	171318	43.308	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	100388	47.735	ug/L	90
22) 2-Butanone	4.692	43	155362	79.943	ug/L	95
23) Bromochloromethane	4.965	128	53956	50.651	ug/L	84
25) Chloroform	5.078	83	179477	46.856	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	139390	43.077	ug/L	96
29) Cyclohexane	5.383	56	131373	40.896	ug/L	92
30) 1,1,1-Trichloroethane	5.309	97	142570	45.572	ug/L	98
31) Carbon tetrachloride	5.518	117	117810	46.361	ug/L	99
33) Benzene	5.766	78	394259	45.377	ug/L	100
34) Trichloroethene	6.537	95	103250	48.533	ug/L	92
35) Methylcyclohexane	6.756	83	140208	44.823	ug/L	93
37) 1,2-Dichloropropane	6.785	63	109455	44.365	ug/L	99
38) Bromodichloromethane	7.097	83	129719	45.138	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	153401	44.939	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	285851	88.377	ug/L #	96
42) Toluene	7.965	91	425117	48.745	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	137253	44.413	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	107944	48.662	ug/L	97
46) Tetrachloroethene	8.547	164	76602	54.057	ug/L	91
48) 2-Hexanone	8.676	43	233650	85.652	ug/L	98
49) Dibromochloromethane	8.804	129	99584	49.675	ug/L	99
50) 1,2-Dibromoethane	8.917	107	110505	48.294	ug/L	98
51) Chlorobenzene	9.441	112	263241	50.010	ug/L	96
52) Ethylbenzene	9.566	91	437949	48.709	ug/L	97
53) m,p-Xylene	9.688	106	167827	50.788	ug/L	96
54) o-Xylene	10.097	106	164421	51.342	ug/L	92
55) Styrene	10.110	104	287294	52.777	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	178534	44.182	ug/L	98
59) Bromoform	10.283	173	82006	49.764	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	145525	41.637	ug/L	99
61) Isopropylbenzene	10.479	105	424562	48.016	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	306763	47.884	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	335715	48.340	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	206621	49.998	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	209467	49.079	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	207025	47.930	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	38824	43.817	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.216	180	137498	50.379	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	115607	53.034	ug/L	98
71) Naphthalene	14.080	128	350897	50.856	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	125439	56.602	ug/L	97

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

