

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022224\
 Data File : VU057919.D
 Acq On : 22 Feb 2024 09:50
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050150

Quant Time: Feb 22 23:59:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 21 23:55:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	278159	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265664	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	131536	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	81650	40.545	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.100%
7) Chloroethane-d5	1.907	69	64929	43.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.240%
11) 1,1-Dichloroethene-d2	2.563	63	164115	43.729	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.460%
21) 2-Butanone-d5	4.608	46	89861	117.443	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.440%
24) Chloroform-d	5.052	84	156402	45.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.692	65	99714	46.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.160%
32) Benzene-d6	5.717	84	304266	45.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.682	67	98213	45.685	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.380%
41) Toluene-d8	7.891	98	273371	45.360	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.720%
43) trans-1,3-Dichloroprop...	8.171	79	49107	47.968	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.940%
47) 2-Hexanone-d5	8.624	63	65741	79.546	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.550%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	127672	43.039	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.080%
66) 1,2-Dichlorobenzene-d4	12.187	152	95462	44.821	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	135849	44.550	ug/L	98
3) Chloromethane	1.518	50	128389	41.409	ug/L	97
5) Vinyl chloride	1.602	62	130196	42.524	ug/L	99
6) Bromomethane	1.853	94	74584	62.391	ug/L	99
8) Chloroethane	1.930	64	79160	44.209	ug/L	99
9) Trichlorofluoromethane	2.136	101	165380	44.143	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	101488	46.610	ug/L	100
12) 1,1-Dichloroethene	2.576	96	91367	45.366	ug/L	94
13) Acetone	2.608	43	141522	99.896	ug/L	100
14) Carbon disulfide	2.788	76	300496	45.592	ug/L	99
15) Methyl Acetate	2.936	43	97554	42.297	ug/L	99
16) Methylene chloride	3.036	84	106388	40.529	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	95189	45.557	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	331810	45.613	ug/L	99
19) 1,1-Dichloroethane	3.859	63	195919	45.226	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	107259	44.748	ug/L	100
22) 2-Butanone	4.685	43	160683	93.617	ug/L	99
23) Bromochloromethane	4.965	128	52074	44.714	ug/L	98
25) Chloroform	5.078	83	194170	45.396	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	159710	44.876	ug/L	99
29) Cyclohexane	5.380	56	180692	46.214	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	165304	46.174	ug/L	99
31) Carbon tetrachloride	5.515	117	145340	47.275	ug/L	100
33) Benzene	5.766	78	421006	45.436	ug/L	100
34) Trichloroethene	6.534	95	112458	47.215	ug/L	99
35) Methylcyclohexane	6.756	83	182143	47.068	ug/L	99
37) 1,2-Dichloropropane	6.782	63	120289	46.007	ug/L	100
38) Bromodichloromethane	7.097	83	149681	47.674	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	189359	47.392	ug/L	100
40) 4-Methyl-2-pentanone	7.778	43	279769	85.006	ug/L	100
42) Toluene	7.962	91	445522	46.459	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	178562	48.157	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	105120	45.249	ug/L	99
46) Tetrachloroethene	8.547	164	79488	48.493	ug/L	95
48) 2-Hexanone	8.675	43	234778	87.398	ug/L	100
49) Dibromochloromethane	8.801	129	110411	47.723	ug/L	100
50) 1,2-Dibromoethane	8.917	107	111378	45.534	ug/L	99
51) Chlorobenzene	9.441	112	277847	45.564	ug/L	98
52) Ethylbenzene	9.563	91	501151	46.607	ug/L	100
53) m,p-Xylene	9.685	106	186391	47.664	ug/L	99
54) o-Xylene	10.093	106	180171	46.631	ug/L	96
55) Styrene	10.106	104	308502	46.562	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	167578	42.344	ug/L	98
59) Bromoform	10.283	173	76224	47.207	ug/L #	99
60) 1,2,3-Trichloropropane	10.814	75	131186	43.048	ug/L	99
61) Isopropylbenzene	10.476	105	484244	47.108	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	412644	46.593	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	409208	45.983	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	209655	46.128	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	212531	45.902	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	203385	45.485	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	31118	43.008	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	144942	47.414	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	122624	49.821	ug/L	99
71) Naphthalene	14.080	128	303182	46.386	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	108026	47.784	ug/L	98

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

