

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022224\
 Data File : VU057937.D
 Acq On : 22 Feb 2024 20:13
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050151

Quant Time: Feb 23 00:07:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 23 00:03:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	280457	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	269297	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130577	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	80219	39.508	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.020%
7) Chloroethane-d5	1.904	69	65843	43.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.740%
11) 1,1-Dichloroethene-d2	2.560	63	164817	43.556	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.120%
21) 2-Butanone-d5	4.608	46	91077	118.057	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.060%
24) Chloroform-d	5.052	84	162694	47.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.500%
26) 1,2-Dichloroethane-d4	5.692	65	101003	46.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.600%
32) Benzene-d6	5.718	84	311914	46.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
36) 1,2-Dichloropropane-d6	6.682	67	102772	47.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.320%
41) Toluene-d8	7.891	98	279803	45.801	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.171	79	47240	45.522	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.040%
47) 2-Hexanone-d5	8.624	63	72732	86.818	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.820%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	133595	44.428	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.860%
66) 1,2-Dichlorobenzene-d4	12.187	152	99067	46.855	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	131872	42.891	ug/L	100
3) Chloromethane	1.515	50	130320	41.687	ug/L	98
5) Vinyl chloride	1.599	62	134393	43.535	ug/L	99
6) Bromomethane	1.850	94	71119	59.005	ug/L	98
8) Chloroethane	1.927	64	79225	43.883	ug/L	99
9) Trichlorofluoromethane	2.133	101	168716	44.664	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	98354	44.800	ug/L	100
12) 1,1-Dichloroethene	2.573	96	92124	45.367	ug/L	91
13) Acetone	2.608	43	110856	77.609	ug/L	99
14) Carbon disulfide	2.785	76	291426	43.853	ug/L	99
15) Methyl Acetate	2.933	43	105008	45.156	ug/L	99
16) Methylene chloride	3.033	84	109276	41.288	ug/L	99
17) trans-1,2-Dichloroethene	3.342	96	96769	45.934	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	328674	44.811	ug/L	99
19) 1,1-Dichloroethane	3.856	63	201292	46.086	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	108521	44.903	ug/L	98
22) 2-Butanone	4.686	43	151143	87.338	ug/L	99
23) Bromochloromethane	4.962	128	52718	44.896	ug/L	98
25) Chloroform	5.078	83	199267	46.206	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	159455	44.437	ug/L	98
29) Cyclohexane	5.380	56	176771	44.601	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	169560	46.723	ug/L	98
31) Carbon tetrachloride	5.515	117	144881	46.490	ug/L	100
33) Benzene	5.766	78	427973	45.564	ug/L	100
34) Trichloroethene	6.534	95	111932	46.360	ug/L	96
35) Methylcyclohexane	6.756	83	171564	43.736	ug/L	99
37) 1,2-Dichloropropane	6.782	63	120393	45.426	ug/L	100
38) Bromodichloromethane	7.097	83	146878	46.150	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	183964	45.421	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	297308	89.117	ug/L	99
42) Toluene	7.962	91	445725	45.853	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	168156	44.738	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	107873	45.808	ug/L	98
46) Tetrachloroethene	8.547	164	76657	46.135	ug/L	96
48) 2-Hexanone	8.676	43	224799	82.554	ug/L	96
49) Dibromochloromethane	8.801	129	106850	45.561	ug/L	96
50) 1,2-Dibromoethane	8.917	107	112340	45.307	ug/L	100
51) Chlorobenzene	9.441	112	276852	44.788	ug/L	99
52) Ethylbenzene	9.563	91	497811	45.672	ug/L	96
53) m,p-Xylene	9.689	106	177025	44.659	ug/L	99
54) o-Xylene	10.094	106	177652	45.359	ug/L	97
55) Styrene	10.107	104	301030	44.821	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	170379	42.471	ug/L	98
59) Bromoform	10.283	173	74778	46.652	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	135451	44.774	ug/L	99
61) Isopropylbenzene	10.476	105	474714	46.520	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	392787	44.677	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	390205	44.170	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	200509	44.439	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	202831	44.129	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	194872	43.901	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	31814	44.293	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	132758	43.747	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	114866	47.012	ug/L	100
71) Naphthalene	14.081	128	304969	47.002	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	104710	46.658	ug/L	99

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

