

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022824\
 Data File : VU057963.D
 Acq On : 28 Feb 2024 15:12
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050157

Quant Time: Feb 29 00:10:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 29 00:08:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	283203	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	271400	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	136231	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	94222	45.955	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.900%
7) Chloroethane-d5	1.904	69	73403	48.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.880%
11) 1,1-Dichloroethene-d2	2.560	63	178200	46.636	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.280%
21) 2-Butanone-d5	4.608	46	79261	101.744	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.740%
24) Chloroform-d	5.052	84	167375	48.142	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.280%
26) 1,2-Dichloroethane-d4	5.692	65	104714	48.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.100%
32) Benzene-d6	5.718	84	325707	47.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.780%
36) 1,2-Dichloropropane-d6	6.682	67	105002	47.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.620%
41) Toluene-d8	7.891	98	298649	48.507	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.020%
43) trans-1,3-Dichloroprop...	8.174	79	49760	47.579	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.160%
47) 2-Hexanone-d5	8.624	63	60623	71.803	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.800%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	130208	42.966	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.940%
66) 1,2-Dichlorobenzene-d4	12.187	152	104547	47.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	135364	43.600	ug/L	99
3) Chloromethane	1.515	50	130176	41.237	ug/L	98
5) Vinyl chloride	1.599	62	134650	43.195	ug/L	99
6) Bromomethane	1.850	94	77422	63.611	ug/L	99
8) Chloroethane	1.927	64	77910	42.736	ug/L	99
9) Trichlorofluoromethane	2.133	101	173102	45.381	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	106873	48.209	ug/L	99
12) 1,1-Dichloroethene	2.573	96	94795	46.230	ug/L	93
13) Acetone	2.608	43	113495	78.686	ug/L	100
14) Carbon disulfide	2.785	76	301925	44.993	ug/L	99
15) Methyl Acetate	2.933	43	92527	39.403	ug/L	98
16) Methylene chloride	3.033	84	107453	40.205	ug/L	98
17) trans-1,2-Dichloroethene	3.342	96	98819	46.452	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	320951	43.334	ug/L	100
19) 1,1-Dichloroethane	3.856	63	198709	45.053	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	111913	45.858	ug/L	96
22) 2-Butanone	4.686	43	136007	77.829	ug/L	100
23) Bromochloromethane	4.962	128	53001	44.699	ug/L	97
25) Chloroform	5.075	83	201994	46.384	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	159635	44.056	ug/L	98
29) Cyclohexane	5.380	56	181066	45.331	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	172623	47.199	ug/L	99
31) Carbon tetrachloride	5.515	117	147186	46.864	ug/L	98
33) Benzene	5.763	78	432808	45.722	ug/L	100
34) Trichloroethene	6.534	95	114216	46.939	ug/L	98
35) Methylcyclohexane	6.756	83	185368	46.889	ug/L	99
37) 1,2-Dichloropropane	6.782	63	119615	44.782	ug/L	100
38) Bromodichloromethane	7.097	83	151481	47.228	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	189632	46.457	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	269147	80.050	ug/L	99
42) Toluene	7.962	91	453043	46.244	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	169584	44.769	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	107632	45.351	ug/L	99
46) Tetrachloroethene	8.547	164	79951	47.744	ug/L	96
48) 2-Hexanone	8.676	43	204133	74.384	ug/L	96
49) Dibromochloromethane	8.801	129	108980	46.109	ug/L	100
50) 1,2-Dibromoethane	8.917	107	110161	44.084	ug/L	99
51) Chlorobenzene	9.441	112	283354	45.485	ug/L	98
52) Ethylbenzene	9.563	91	507316	46.183	ug/L	99
53) m,p-Xylene	9.689	106	184806	46.260	ug/L	99
54) o-Xylene	10.094	106	178666	45.265	ug/L	97
55) Styrene	10.107	104	307112	45.373	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	164923	40.793	ug/L	99
59) Bromoform	10.283	173	74667	44.649	ug/L #	99
60) 1,2,3-Trichloropropane	10.814	75	126955	40.224	ug/L	100
61) Isopropylbenzene	10.476	105	488051	45.842	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	399797	43.587	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	397730	43.153	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	207475	44.075	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	210156	43.825	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	198426	42.846	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	29210	38.979	ug/L	97
69) 1,3,5-Trichlorobenzene	13.213	180	137977	43.580	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	115724	45.397	ug/L	100
71) Naphthalene	14.081	128	271402	40.093	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	103243	44.095	ug/L	99

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

