

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020824\
 Data File : VU057861.D
 Acq On : 08 Feb 2024 13:49
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050141

Quant Time: Feb 09 04:09:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 09 04:07:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	225915	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	217411	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	114529	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	76766	42.454	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.900%
7) Chloroethane-d5	1.882	69	64563	46.024	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.040%
11) 1,1-Dichloroethene-d2	2.557	63	140735	42.377	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.760%
21) 2-Butanone-d5	4.615	46	87230	86.923	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.920%
24) Chloroform-d	5.052	84	159420	49.700	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.692	65	101331	49.833	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.660%
32) Benzene-d6	5.718	84	305100	46.452	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.900%
36) 1,2-Dichloropropane-d6	6.682	67	99017	47.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.480%
41) Toluene-d8	7.891	98	269800	45.310	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.620%
43) trans-1,3-Dichloroprop...	8.174	79	47314	46.631	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.260%
47) 2-Hexanone-d5	8.627	63	90355	106.724	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.720%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	152664	56.542	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.080%
66) 1,2-Dichlorobenzene-d4	12.190	152	107801	48.993	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	84337	42.225	ug/L	100
3) Chloromethane	1.515	50	97517	52.205	ug/L	100
5) Vinyl chloride	1.602	62	91883	46.557	ug/L	100
6) Bromomethane	1.824	94	38166	31.436	ug/L	98
8) Chloroethane	1.907	64	60178	51.078	ug/L	98
9) Trichlorofluoromethane	2.123	101	117552	42.599	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	69296	42.545	ug/L	98
12) 1,1-Dichloroethene	2.570	96	67316	45.253	ug/L	93
13) Acetone	2.615	43	88975	69.015	ug/L	99
14) Carbon disulfide	2.782	76	209005	45.500	ug/L	99
15) Methyl Acetate	2.936	43	90992	55.478	ug/L	98
16) Methylene chloride	3.033	84	93527	54.419	ug/L	96
17) trans-1,2-Dichloroethene	3.341	96	77018	50.809	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	293967	55.245	ug/L	99
19) 1,1-Dichloroethane	3.859	63	162198	53.319	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	92443	52.834	ug/L	97
22) 2-Butanone	4.689	43	127623	92.893	ug/L	99
23) Bromochloromethane	4.965	128	48000	55.958	ug/L	96
25) Chloroform	5.078	83	168436	54.067	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	139471	54.062	ug/L	100
29) Cyclohexane	5.377	56	116973	41.347	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	130312	46.470	ug/L	99
31) Carbon tetrachloride	5.515	117	107046	43.843	ug/L	100
33) Benzene	5.766	78	353308	51.335	ug/L	100
34) Trichloroethene	6.534	95	88003	47.553	ug/L	98
35) Methylcyclohexane	6.756	83	122405	41.344	ug/L	100
37) 1,2-Dichloropropane	6.782	63	101283	53.677	ug/L	99
38) Bromodichloromethane	7.097	83	126770	53.360	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	157081	51.360	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	272697	116.100	ug/L	99
42) Toluene	7.965	91	364186	50.524	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	147755	52.622	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	96516	55.395	ug/L	98
46) Tetrachloroethene	8.550	164	58268	45.394	ug/L	97
48) 2-Hexanone	8.679	43	215922	105.673	ug/L	97
49) Dibromochloromethane	8.804	129	95839	54.539	ug/L	100
50) 1,2-Dibromoethane	8.917	107	101630	54.594	ug/L	99
51) Chlorobenzene	9.441	112	238865	52.178	ug/L	97
52) Ethylbenzene	9.566	91	396237	48.460	ug/L	99
53) m,p-Xylene	9.688	106	146916	48.890	ug/L	95
54) o-Xylene	10.097	106	151682	51.838	ug/L	97
55) Styrene	10.110	104	265164	54.286	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	171963	61.243	ug/L	99
59) Bromoform	10.287	173	73206	55.025	ug/L #	96
60) 1,2,3-Trichloropropane	10.817	75	135633	56.574	ug/L	99
61) Isopropylbenzene	10.479	105	384247	45.926	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	342012	48.712	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	351501	50.020	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	184956	51.020	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	190179	51.146	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	191811	52.486	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	33818	55.614	ug/L	88
69) 1,3,5-Trichlorobenzene	13.216	180	126146	49.406	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	106546	48.850	ug/L	100
71) Naphthalene	14.084	128	303441	51.898	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100389	49.190	ug/L	99

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

