

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053575.D
 Acq On : 04 Apr 2023 20:41
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050184

Quant Time: Apr 04 23:14:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	265032	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	243841	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	135111	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	72074	34.925	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.840%
7) Chloroethane-d5	1.909	69	64172	40.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.660%
11) 1,1-Dichloroethene-d2	2.565	63	127439	39.893	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.780%
21) 2-Butanone-d5	4.616	46	103562	110.838	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.840%
24) Chloroform-d	5.057	84	147700	43.276	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.560%
26) 1,2-Dichloroethane-d4	5.697	65	92124	45.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.360%
32) Benzene-d6	5.722	84	281208	42.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.440%
36) 1,2-Dichloropropane-d6	6.687	67	90424	44.947	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.900%
41) Toluene-d8	7.893	98	267567	40.901	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	8.176	79	45967	44.264	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.520%
47) 2-Hexanone-d5	8.626	63	80653	117.467	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.470%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	139251	49.109	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.220%
66) 1,2-Dichlorobenzene-d4	12.188	152	114905	40.743	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	105580	49.082	ug/L	99
3) Chloromethane	1.520	50	101230	57.270	ug/L	97
5) Vinyl chloride	1.604	62	114033	55.666	ug/L	98
6) Bromomethane	1.851	94	72552	48.675	ug/L	99
8) Chloroethane	1.928	64	69096	56.081	ug/L	97
9) Trichlorofluoromethane	2.134	101	158880	50.425	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	87933	48.189	ug/L	94
12) 1,1-Dichloroethene	2.578	96	79561	48.923	ug/L	89
13) Acetone	2.623	43	74834	89.119	ug/L	96
14) Carbon disulfide	2.790	76	208306	48.422	ug/L	98
15) Methyl Acetate	2.944	43	73851	57.419	ug/L	94
16) Methylene chloride	3.041	84	92257	50.472	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	81596	49.925	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	259195	54.408	ug/L	99
19) 1,1-Dichloroethane	3.864	63	149229	55.120	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	96649	51.197	ug/L	94
22) 2-Butanone	4.697	43	107224	105.401	ug/L	93
23) Bromochloromethane	4.970	128	50102	47.646	ug/L	94
25) Chloroform	5.083	83	164086	52.841	ug/L	99

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27) 1,2-Dichloroethane	5.790	62	122658	53.937	ug/L	97
29) Cyclohexane	5.382	56	127045	54.121	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	140120	52.151	ug/L	97
31) Carbon tetrachloride	5.520	117	121991	50.676	ug/L	98
33) Benzene	5.767	78	346974	54.615	ug/L	100
34) Trichloroethene	6.536	95	97215	50.593	ug/L	98
35) Methylcyclohexane	6.758	83	145515	51.519	ug/L	99
37) 1,2-Dichloropropane	6.787	63	90057	55.826	ug/L	98
38) Bromodichloromethane	7.102	83	114389	53.154	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	148278	56.249	ug/L	99
40) 4-Methyl-2-pentanone	7.783	43	207240	118.219	ug/L	99
42) Toluene	7.963	91	381108	52.934	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	136318	54.701	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	94166	53.167	ug/L	97
46) Tetrachloroethene	8.549	164	73700	46.220	ug/L	95
48) 2-Hexanone	8.677	43	164822	116.232	ug/L	99
49) Dibromochloromethane	8.806	129	88903	48.274	ug/L	98
50) 1,2-Dibromoethane	8.918	107	104206	52.589	ug/L	97
51) Chlorobenzene	9.443	112	245429	49.476	ug/L	95
52) Ethylbenzene	9.565	91	414611	51.732	ug/L	100
53) m,p-Xylene	9.690	106	163609	52.196	ug/L	99
54) o-xylene	10.095	106	159215	51.375	ug/L	95
55) Styrene	10.108	104	266115	52.719	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	142884	54.946	ug/L	98
59) Bromoform	10.285	173	63359	45.815	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	116823	59.632	ug/L	97
61) Isopropylbenzene	10.478	105	416655	52.159	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	349601	52.647	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	346823	52.733	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	200184	47.960	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	205172	48.229	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	197125	47.385	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	30959	59.279	ug/L	85
69) 1,3,5-Trichlorobenzene	13.214	180	133925	43.328	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	137568	48.004	ug/L	99
71) Naphthalene	14.079	128	436184	50.851	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	131866	46.069	ug/L	98

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

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