

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\
 Data File : VU038096.D
 Acq On : 08 May 2020 20:09
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: May 09 00:14:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:11:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	335031	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	338444	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	162337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137558	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.93	69	119297	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.59	63	225462	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.66	46	318811	42.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.34%
24) Chloroform-d	5.10	84	205213	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.74	65	121926	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.76	84	465732	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.72	67	152646	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.92	98	420763	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.20	79	56837	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.65	63	273068	44.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.20%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	118391	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	149344	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	153150	4.998	ug/L 99
3) Chloromethane	1.53	50	178230	4.827	ug/L 100
5) Vinyl chloride	1.62	62	178580	4.935	ug/L 99
6) Bromomethane	1.87	94	90559	4.396	ug/L 99
8) Chloroethane	1.95	64	106058	4.765	ug/L 99
9) Trichlorofluoromethane	2.16	101	184721	4.993	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	114221	4.980	ug/L 98
12) 1,1-Dichloroethene	2.60	96	112367	4.833	ug/L 89
13) Acetone	2.65	43	205641	43.350	ug/L 99
14) Carbon disulfide	2.82	76	382255	4.609	ug/L 99
15) Methyl Acetate	2.98	43	55353	4.171	ug/L 98
16) Methylene chloride	3.08	84	130201	4.804	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	292679	4.530	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	121962	4.805	ug/L 97
19) 1,1-Dichloroethane	3.91	63	236245	4.765	ug/L 99
21) 2-Butanone	4.74	43	373546	44.613	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	132423	4.841	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	55470	4.712	ug/L	95
25) Chloroform	5.12	83	239478	5.179	ug/L	97
27) 1,2-Dichloroethane	5.83	62	151045	4.627	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	185478	4.783	ug/L	99
30) Cyclohexane	5.42	56	222064	4.850	ug/L	99
31) Carbon tetrachloride	5.56	117	144323	4.631	ug/L	99
33) Benzene	5.81	78	520262	4.800	ug/L	100
34) Trichloroethene	6.57	95	127303	4.696	ug/L	97
35) Methylcyclohexane	6.79	83	216172	4.923	ug/L	96
37) 1,2-Dichloropropane	6.82	63	138682	4.711	ug/L	99
38) Bromodichloromethane	7.13	83	155094	4.557	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	191542	4.546	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	905022	44.357	ug/L	100
42) Toluene	7.99	91	552034	4.825	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	157034	4.383	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	93406	4.569	ug/L	97
47) Tetrachloroethene	8.57	164	89920	4.743	ug/L	99
48) 2-Hexanone	8.71	43	679618	45.483	ug/L	99
49) Dibromochloromethane	8.83	129	95851	4.518	ug/L	97
50) 1,2-Dibromoethane	8.94	107	84354	4.446	ug/L	94
51) Chlorobenzene	9.47	112	340757	4.799	ug/L	99
52) Ethylbenzene	9.59	91	601807	4.856	ug/L	100
53) m,p-Xylene	9.71	106	230922	4.859	ug/L	98
54) o-Xylene	10.11	106	223522	4.865	ug/L	99
55) Styrene	10.13	104	376568	4.882	ug/L	99
56) Isopropylbenzene	10.50	105	577991	4.897	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	116794	4.500	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	87972	4.452	ug/L	98
61) Bromoform	10.31	173	48870	4.454	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	258409	4.892	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	258319	4.826	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	242970	4.781	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17937	4.319	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	181892	4.746	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	165442	4.759	ug/L	98
69) Naphthalene	14.11	128	332181	4.539	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	152620	4.723	ug/L	99

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

