

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\
 Data File : VU039232.D
 Acq On : 30 Jun 2020 09:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Jun 30 11:05:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 06:54:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	217399	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	231105	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	129134	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82653	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.93	69	71294	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.59	63	159530	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	4.67	46	300155	49.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.50%
24) Chloroform-d	5.10	84	168747	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.74	65	104696	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.76	84	304342	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.72	67	98465	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.92	98	259379	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.20	79	43867	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.65	63	230799	47.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.78%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	131878	6.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.20%#
64) 1,2-Dichlorobenzene-d4	12.20	152	103679	3.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.40%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	102703	4.772	ug/L 99
3) Chloromethane	1.53	50	99265	4.462	ug/L 97
5) Vinyl chloride	1.62	62	104139	4.693	ug/L 96
6) Bromomethane	1.88	94	50069	4.266	ug/L 98
8) Chloroethane	1.95	64	66463	4.936	ug/L 96
9) Trichlorofluoromethane	2.16	101	151144	5.083	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	79529	4.740	ug/L 97
12) 1,1-Dichloroethene	2.61	96	77532	4.834	ug/L 90
13) Acetone	2.67	43	182161	48.754	ug/L 97
14) Carbon disulfide	2.82	76	269627	4.805	ug/L 99
15) Methyl Acetate	2.99	43	42823	4.588	ug/L 95
16) Methylene chloride	3.08	84	89789	4.680	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	208892	4.838	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	80097	4.702	ug/L 94
19) 1,1-Dichloroethane	3.91	63	158800	4.882	ug/L 100
21) 2-Butanone	4.75	43	279823	47.160	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	86753	5.071	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	41481	5.022	ug/L	96
25) Chloroform	5.12	83	161936	5.000	ug/L	98
27) 1,2-Dichloroethane	5.83	62	119949	5.011	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	145981	4.715	ug/L	99
30) Cyclohexane	5.42	56	122759	4.227	ug/L	99
31) Carbon tetrachloride	5.56	117	121876	4.679	ug/L	97
33) Benzene	5.81	78	342812	4.603	ug/L	100
34) Trichloroethene	6.57	95	88110	4.628	ug/L	98
35) Methylcyclohexane	6.79	83	121032	4.265	ug/L	100
37) 1,2-Dichloropropane	6.82	63	88660	4.486	ug/L	98
38) Bromodichloromethane	7.13	83	118133	4.686	ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	119315	4.205	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	657807	46.087	ug/L	99
42) Toluene	7.99	91	358389	4.820	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	116950	4.195	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	69470	4.745	ug/L	98
47) Tetrachloroethene	8.57	164	63680	4.650	ug/L	95
48) 2-Hexanone	8.71	43	520104	47.736	ug/L	99
49) Dibromochloromethane	8.83	129	79414	4.709	ug/L	98
50) 1,2-Dibromoethane	8.94	107	66945	4.686	ug/L #	100
51) Chlorobenzene	9.47	112	230150	4.860	ug/L	98
52) Ethylbenzene	9.59	91	391524	4.907	ug/L	99
53) m,p-Xylene	9.71	106	152437	5.184	ug/L	99
54) o-Xylene	10.11	106	140972	4.982	ug/L	97
55) Styrene	10.13	104	256563	5.227	ug/L	97
56) Isopropylbenzene	10.50	105	403103	5.354	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	118548	6.067	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	92061	6.190	ug/L	99
61) Bromoform	10.31	173	46330	4.419	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	195052	4.682	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	194494	4.661	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	165472	4.162	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	17180	4.254	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	117516	3.908	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	101143	3.853	ug/L	97
69) Naphthalene	14.11	128	184043	3.733	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	98691	4.060	ug/L	99

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

