

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081519\
 Data File : VU033802.D
 Acq On : 15 Aug 2019 10:50
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Quant Time: Aug 16 00:54:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 15 14:46:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	191024	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	196030	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	110475	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	84200	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.67	69	68941	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.26	65	39609	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.20	46	195711	46.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.70%
24) Chloroform-d	4.62	84	136831	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.29	65	71576	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.32	84	249940	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.31	67	79879	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.55	98	234191	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	7.83	79	33215	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.30	63	146007	48.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.96%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	72872	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
66) 1,2-Dichlorobenzene-d4	11.85	152	91448	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	137318	4.959 ug/L	99
3) Chloromethane	1.32	50	135575	4.718 ug/L	98
5) Vinyl chloride	1.39	62	150541	4.804 ug/L	97
6) Bromomethane	1.62	94	90540	4.965 ug/L	99
8) Chloroethane	1.69	64	90403	4.884 ug/L	97
9) Trichlorofluoromethane	1.87	101	204407	4.762 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	115786	5.083 ug/L	99
12) 1,1-Dichloroethene	2.27	96	111206	5.052 ug/L	99
13) Acetone	2.36	43	226271	50.825 ug/L #	57
14) Carbon disulfide	2.46	76	364855	4.881 ug/L	99
15) Methyl Acetate	2.61	43	55309	4.779 ug/L	98
16) Methylene chloride	2.68	84	123254	4.796 ug/L	97
17) Methyl tert-butyl Ether	2.98	73	287354	5.042 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	118557	5.016 ug/L	97
19) 1,1-Dichloroethane	3.42	63	180702	4.890 ug/L	99
21) 2-Butanone	4.28	43	276202	50.110 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	99165	4.918 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	48959	5.064	ug/L	98
25) Chloroform	4.65	83	187317	4.710	ug/L	98
27) 1,2-Dichloroethane	5.38	62	120131	4.902	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	158572	4.971	ug/L	98
30) Cyclohexane	4.97	56	139738	4.840	ug/L	99
31) Carbon tetrachloride	5.11	117	140855	4.962	ug/L	98
33) Benzene	5.36	78	391912	4.998	ug/L	100
34) Trichloroethene	6.16	95	100882	4.906	ug/L	97
35) Methylcyclohexane	6.39	83	154345	5.006	ug/L	97
37) 1,2-Dichloropropane	6.41	63	104465	4.931	ug/L	99
38) Bromodichloromethane	6.74	83	131031	4.904	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	140845	4.926	ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	633030	51.703	ug/L	99
42) Toluene	7.62	91	426900	5.181	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	119440	4.997	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	76013	5.021	ug/L	99
47) Tetrachloroethene	8.21	164	84244	4.914	ug/L	97
48) 2-Hexanone	8.35	43	469970	53.077	ug/L	99
49) Dibromochloromethane	8.46	129	92093	5.017	ug/L	99
50) 1,2-Dibromoethane	8.57	107	74351	5.080	ug/L	96
51) Chlorobenzene	9.10	112	262747	4.953	ug/L	97
52) Ethylbenzene	9.23	91	436289	5.117	ug/L	99
53) m,p-Xylene	9.36	106	171126	5.322	ug/L	98
54) o-Xylene	9.76	106	163400	5.352	ug/L	99
55) Styrene	9.77	104	289652	5.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	95695	4.812	ug/L	97
59) Isopropylbenzene	10.15	105	421569	5.005	ug/L	99
60) Bromoform	9.94	173	54731	4.850	ug/L	98
61) 1,2,3-Trichloropropane	10.48	75	68981	4.702	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	347477	5.084	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	350294	5.137	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	222700	4.944	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	227790	4.913	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	211691	4.868	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.64	75	15462	4.828	ug/L	99
69) 1,3,5-Trichlorobenzene	12.87	180	173722	4.904	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	140980	5.114	ug/L	100
71) Naphthalene	13.73	128	222898	5.250	ug/L	98
72) 1,2,3-Trichlorobenzene	13.97	180	135515	5.216	ug/L	99

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

