

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092719\
 Data File : VU034864.D
 Acq On : 27 Sep 2019 10:23
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Sep 28 00:04:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 27 05:10:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	82190	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	79288	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	39428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	30281	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.67	69	24953	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.26	63	55986	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.17	46	80357	49.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	4.62	84	42660	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.29	65	24703	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.32	84	92947	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.31	67	31216	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.54	98	89402	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.83	79	10881	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.30	63	56140	43.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.58%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	24178	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	30354	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	29216	4.694	ug/L 95
3) Chloromethane	1.32	50	32095	5.469	ug/L 96
5) Vinyl chloride	1.40	62	32113	5.223	ug/L 98
6) Bromomethane	1.62	94	18210	5.941	ug/L 93
8) Chloroethane	1.69	64	19662	5.486	ug/L 98
9) Trichlorofluoromethane	1.87	101	43765	5.371	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	26018	5.683	ug/L 89
12) 1,1-Dichloroethene	2.27	96	22872	5.642	ug/L 84
13) Acetone	2.32	43	69677	56.097	ug/L 99
14) Carbon disulfide	2.46	76	50423	4.852	ug/L 98
15) Methyl Acetate	2.61	43	16450	5.426	ug/L 97
16) Methylene chloride	2.68	84	27006	5.008	ug/L 96
17) Methyl tert-butyl Ether	2.98	73	76520	5.391	ug/L 99
18) trans-1,2-Dichloroethene	2.96	96	22309	5.296	ug/L 98
19) 1,1-Dichloroethane	3.42	63	50559	4.917	ug/L 99
21) 2-Butanone	4.26	43	104458	58.419	ug/L 100
22) cis-1,2-Dichloroethene	4.20	96	27034	4.798	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.52	128	10728	5.165	ug/L	98
25) Chloroform	4.65	83	53581	4.658	ug/L	93
27) 1,2-Dichloroethane	5.38	62	33214	5.019	ug/L #	93
29) 1,1,1-Trichloroethane	4.89	97	38267	4.578	ug/L	98
30) Cyclohexane	4.96	56	40982	4.664	ug/L	97
31) Carbon tetrachloride	5.11	117	31401	4.616	ug/L	100
33) Benzene	5.36	78	101745	4.746	ug/L	100
34) Trichloroethene	6.16	95	25635	4.797	ug/L	93
35) Methylcyclohexane	6.39	83	39770	4.608	ug/L	99
37) 1,2-Dichloropropane	6.41	63	30358	4.586	ug/L #	98
38) Bromodichloromethane	6.74	83	34186	4.316	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	42177	4.526	ug/L	94
40) 4-Methyl-2-pentanone	7.44	43	258914	51.899	ug/L	98
42) Toluene	7.61	91	115032	4.965	ug/L	94
44) trans-1,3-Dichloropropene	7.86	75	31487	4.165	ug/L	95
45) 1,1,2-Trichloroethane	8.04	97	20556	4.883	ug/L	97
47) Tetrachloroethene	8.21	164	18625	5.749	ug/L	94
48) 2-Hexanone	8.34	43	175675	52.396	ug/L	95
49) Dibromochloromethane	8.45	129	21734	4.402	ug/L	96
50) 1,2-Dibromoethane	8.57	107	19071	4.968	ug/L	96
51) Chlorobenzene	9.10	112	72416	4.986	ug/L	97
52) Ethylbenzene	9.23	91	128093	4.782	ug/L	99
53) m,p-Xylene	9.35	106	45671	4.808	ug/L	99
54) o-Xylene	9.76	106	46769	4.901	ug/L	99
55) Styrene	9.77	104	78606	4.959	ug/L	96
56) Isopropylbenzene	10.14	105	126222	4.761	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.43	83	28621	4.605	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	20300	4.695	ug/L	99
61) Bromoform	9.94	173	11601	4.455	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	55715	4.814	ug/L	93
63) 1,4-Dichlorobenzene	11.49	146	57768	4.999	ug/L	91
65) 1,2-Dichlorobenzene	11.85	146	53844	4.753	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.64	75	3759	3.664	ug/L	93
67) 1,3,5-Trichlorobenzene	12.86	180	41388	5.471	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	31198	5.172	ug/L	98
69) Naphthalene	13.72	128	57073	3.885	ug/L	98
70) 1,2,3-Trichlorobenzene	13.97	180	29503	5.221	ug/L	98

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

