

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081519\
 Data File : VU033806.D
 Acq On : 15 Aug 2019 13:26
 Operator : JC/SP
 Sample : MDL05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 12:02:34 PM

Quant Time: Aug 16 01:24:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 16 01:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	178741	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	190245	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	87243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	75545	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.67	69	66180	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.26	65	36766	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.20	46	185567	47.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.94%
24) Chloroform-d	4.62	84	126487	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.29	65	67006	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.32	84	232485	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.31	67	77576	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.55	98	193565	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.00%
43) trans-1,3-Dichloropropene-	7.84	79	27572	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.30	63	124050	42.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.88%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	68604	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
66) 1,2-Dichlorobenzene-d4	11.84	152	80318	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	7453	0.288 ug/L	99
3) Chloromethane	1.32	50	7805	0.290 ug/L	90
5) Vinyl chloride	1.39	62	8763	0.299 ug/L #	70
6) Bromomethane	1.62	94	4949	0.290 ug/L	87
8) Chloroethane	1.69	64	5116	0.295 ug/L	94
9) Trichlorofluoromethane	1.88	101	11598	0.289 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7313	0.343 ug/L	94
12) 1,1-Dichloroethene	2.27	96	7294	0.354 ug/L #	1
13) Acetone	2.36	43	14958m	3.591 ug/L	
14) Carbon disulfide	2.46	76	20634	0.295 ug/L	99
15) Methyl Acetate	2.61	43	2744	0.253 ug/L #	84
16) Methylene chloride	2.68	84	8904	0.370 ug/L	97
17) Methyl tert-butyl Ether	2.99	73	15007	0.281 ug/L #	92
18) trans-1,2-Dichloroethene	2.96	96	6806	0.308 ug/L	98
19) 1,1-Dichloroethane	3.42	63	9932	0.287 ug/L	97
21) 2-Butanone	4.29	43	12282	2.381 ug/L	83
22) cis-1,2-Dichloroethene	4.20	96	5167	0.274 ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	2720	0.301	ug/L	97
25) Chloroform	4.65	83	14834	0.399	ug/L	93
27) 1,2-Dichloroethane	5.39	62	6824	0.298	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	8534	0.276	ug/L	98
30) Cyclohexane	4.96	56	6250	0.223	ug/L	96
31) Carbon tetrachloride	5.11	117	7862	0.285	ug/L	94
33) Benzene	5.37	78	20563	0.270	ug/L	100
34) Trichloroethene	6.17	95	6167	0.309	ug/L	87
35) Methylcyclohexane	6.40	83	7301	0.244	ug/L	97
37) 1,2-Dichloropropane	6.41	63	5757	0.280	ug/L #	91
38) Bromodichloromethane	6.74	83	7665	0.296	ug/L #	94
39) cis-1,3-Dichloropropene	7.26	75	7329	0.264	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	26693	2.246	ug/L #	88
42) Toluene	7.62	91	20366	0.255	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	5843	0.252	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	3995	0.272	ug/L	93
47) Tetrachloroethene	8.21	164	4603	0.277	ug/L	88
48) 2-Hexanone	8.35	43	29447	3.427	ug/L	94
49) Dibromochloromethane	8.46	129	4885	0.274	ug/L	88
50) 1,2-Dibromoethane	8.57	107	3813	0.268	ug/L #	94
51) Chlorobenzene	9.11	112	13613	0.264	ug/L	90
52) Ethylbenzene	9.23	91	19803	0.239	ug/L	96
53) m,p-Xylene	9.36	106	6653	0.213	ug/L	91
54) o-Xylene	9.76	106	5744	0.194	ug/L	85
55) Styrene	9.78	104	9559	0.186	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	5631	0.292	ug/L #	95
59) Isopropylbenzene	10.15	105	15708	0.236	ug/L	96
60) Bromoform	9.95	173	2675	0.300	ug/L #	94
61) 1,2,3-Trichloropropane	10.48	75	3710	0.320	ug/L	96
62) 1,3,5-Trimethylbenzene	10.76	105	11768	0.218	ug/L	98
63) 1,2,4-Trimethylbenzene	11.13	105	11767	0.218	ug/L	94
64) 1,3-Dichlorobenzene	11.40	146	10341	0.291	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	10947	0.299	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	10899	0.317	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.64	75	628	0.248	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.88	180	7652	0.274	ug/L	95
70) 1,2,4-trichlorobenzene	13.49	180	4606	0.212	ug/L	95
71) Naphthalene	13.74	128	6220	0.186	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.98	180	4614	0.225	ug/L	97

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

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