

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071619\
 Data File : VU033255.D
 Acq On : 16 Jul 2019 09:00
 Operator : JC/SP
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Manual Integrations
 APPROVED

MMDadoda
 7/18/2019 10:05:26 AM

Quant Time: Jul 17 04:05:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 17 03:58:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	135271	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	134303	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	62478	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	6808	0.75	ug/L	0.00
7) Chloroethane-d5	1.67	69	5282	0.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	12247	0.60	ug/L	0.00
20) 2-Butanone-d5	4.20	46	11191	3.96	ug/L	0.01
24) Chloroform-d	4.62	84	9186	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	5611	0.52	ug/L	0.00
32) Benzene-d6	5.32	84	16936	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	5450	0.49	ug/L	0.00
41) Toluene-d8	7.55	98	15390	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	2049	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	6978	3.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	4655	0.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	5933	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5364	0.399 ug/L	99
3) Chloromethane	1.32	50	6631	0.487 ug/L	99
5) Vinyl chloride	1.39	62	6541	0.479 ug/L	93
6) Bromomethane	1.62	94	4359	0.553 ug/L	95
8) Chloroethane	1.69	64	4068	0.489 ug/L	94
9) Trichlorofluoromethane	1.88	101	9495	0.488 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5386	0.527 ug/L	96
12) 1,1-Dichloroethene	2.27	96	5383	0.576 ug/L	84
13) Acetone	2.34	43	11660	5.023 ug/L	96
14) Carbon disulfide	2.46	76	17280	0.560 ug/L #	91
15) Methyl Acetate	2.61	43	2506	0.448 ug/L	100
16) Methylene chloride	2.68	84	7346	0.665 ug/L	95
17) Methyl tert-butyl Ether	2.99	73	13089	0.489 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	6039	0.585 ug/L	81
19) 1,1-Dichloroethane	3.42	63	8686	0.445 ug/L	98
21) 2-Butanone	4.28	43	11769m	3.663 ug/L	
22) cis-1,2-Dichloroethene	4.21	96	4776	0.445 ug/L	92
23) Bromochloromethane	4.52	128	1986	0.400 ug/L	94
25) Chloroform	4.65	83	11300	0.524 ug/L	91
27) 1,2-Dichloroethane	5.39	62	5402	0.390 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	7223	0.425 ug/L	97
30) Cyclohexane	4.97	56	5907	0.382 ug/L #	96
31) Carbon tetrachloride	5.11	117	6146	0.404 ug/L	98
33) Benzene	5.37	78	17082	0.433 ug/L	100
34) Trichloroethene	6.17	95	4717	0.443 ug/L	98
35) Methylcyclohexane	6.39	83	6377	0.401 ug/L	94
37) 1,2-Dichloropropane	6.41	63	4791	0.444 ug/L #	94
38) Bromodichloromethane	6.74	83	6290	0.448 ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	6492	0.427 ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	24343	3.355 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	16604	0.391	ug/L	94
44) trans-1,3-Dichloropropene	7.87	75	4865	0.384	ug/L	93
45) 1,1,2-Trichloroethane	8.05	97	3452	0.455	ug/L	89
47) Tetrachloroethene	8.21	164	3908	0.446	ug/L	87
48) 2-Hexanone	8.35	43	17767	3.357	ug/L	94
49) Dibromochloromethane	8.46	129	3719	0.391	ug/L	87
50) 1,2-Dibromoethane	8.58	107	3219	0.442	ug/L #	97
51) Chlorobenzene	9.11	112	12048	0.430	ug/L	96
52) Ethylbenzene	9.23	91	17870	0.385	ug/L	99
53) m,p-Xylene	9.36	106	6448	0.378	ug/L	90
54) o-Xylene	9.77	106	5734	0.345	ug/L	88
55) Styrene	9.78	104	10039	0.357	ug/L	92
56) Isopropylbenzene	10.15	105	15540	0.351	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	4122	0.424	ug/L #	87
59) 1,2,3-Trichloropropane	10.48	75	3018	0.411	ug/L	89
61) Bromoform	9.95	173	1806	0.385	ug/L #	86
62) 1,3-Dichlorobenzene	11.40	146	8597	0.441	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	9263	0.455	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	8399	0.440	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	695	0.518	ug/L	88
67) 1,3,5-Trichlorobenzene	12.87	180	6440	0.423	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	4991	0.449	ug/L	98
69) Naphthalene	13.74	128	7642	0.450	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	4702	0.444	ug/L	99

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

