

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060419\
 Data File : VU032421.D
 Acq On : 04 Jun 2019 12:25
 Operator : JC/SP
 Sample : VSTD0.509
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 10:51:38 AM

Quant Time: Jun 04 22:41:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 22:32:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	103887	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	96762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48533	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3468	0.42	ug/L	0.00
7) Chloroethane-d5	1.68	69	3099	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	7162	0.43	ug/L	0.00
20) 2-Butanone-d5	4.22	46	8638m	4.42	ug/L	0.02
24) Chloroform-d	4.64	84	6517	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3237	0.51	ug/L	0.00
32) Benzene-d6	5.33	84	12255	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	3860	0.48	ug/L	0.00
41) Toluene-d8	7.56	98	11172	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	1462	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	7206	4.46	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2979	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4629	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4835	0.562 ug/L	93
3) Chloromethane	1.33	50	5234	0.509 ug/L	98
5) Vinyl chloride	1.40	62	4734	0.461 ug/L	96
6) Bromomethane	1.63	94	2944	0.469 ug/L	99
8) Chloroethane	1.69	64	3153	0.491 ug/L	92
9) Trichlorofluoromethane	1.88	101	6940	0.504 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3735	0.475 ug/L	100
12) 1,1-Dichloroethene	2.28	96	3598	0.468 ug/L	98
13) Acetone	2.35	43	7920	5.021 ug/L	92
14) Carbon disulfide	2.47	76	11362	0.431 ug/L	100
15) Methyl Acetate	2.62	43	2535	0.560 ug/L #	90
16) Methylene chloride	2.69	84	4192	0.436 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	10178	0.475 ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	4039	0.485 ug/L	96
19) 1,1-Dichloroethane	3.43	63	6835	0.528 ug/L	97
21) 2-Butanone	4.30	43	10592	5.016 ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	4426	0.582 ug/L	94
23) Bromochloromethane	4.55	128	1702	0.501 ug/L #	93
25) Chloroform	4.67	83	6808	0.540 ug/L	98
27) 1,2-Dichloroethane	5.41	62	4510	0.557 ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	5961	0.547 ug/L	98
30) Cyclohexane	4.98	56	6597	0.526 ug/L	97
31) Carbon tetrachloride	5.12	117	5608	0.584 ug/L	98
33) Benzene	5.38	78	14977	0.525 ug/L	100
34) Trichloroethene	6.18	95	4637	0.585 ug/L	93
35) Methylcyclohexane	6.40	83	7072	0.592 ug/L	97
37) 1,2-Dichloropropane	6.43	63	3949	0.527 ug/L #	89
38) Bromodichloromethane	6.75	83	4788	0.529 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	5499	0.509 ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	26268	5.264 ug/L	97

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

42) Toluene	7.64	91	16757	0.542	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	4418	0.525	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	2760	0.528	ug/L	96
47) Tetrachloroethene	8.22	164	3370	0.556	ug/L	94
48) 2-Hexanone	8.37	43	18680	5.370	ug/L	99
49) Dibromochloromethane	8.48	129	3405	0.538	ug/L	92
50) 1,2-Dibromoethane	8.59	107	2740	0.540	ug/L #	90
51) Chlorobenzene	9.12	112	9906	0.518	ug/L	95
52) Ethylbenzene	9.25	91	18116	0.549	ug/L	100
53) m,p-Xylene	9.37	106	6614	0.529	ug/L	99
54) o-Xylene	9.78	106	6942	0.570	ug/L	95
55) Styrene	9.79	104	10789	0.531	ug/L	96
56) Isopropylbenzene	10.16	105	18233	0.572	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	3500	0.529	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	2398	0.514	ug/L	98
61) Bromoform	9.96	173	1836	0.477	ug/L #	85
62) 1,3-Dichlorobenzene	11.42	146	8273	0.553	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	8810	0.582	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	8249	0.569	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	469	0.434	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.89	180	6409	0.528	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	4534	0.453	ug/L	92
69) Naphthalene	13.76	128	6271	0.213	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.99	180	5329	0.551	ug/L #	83

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

