

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052219\
 Data File : VU032216.D
 Acq On : 22 May 2019 12:32
 Operator : JC/SP
 Sample : VSTD0.507
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.507

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 9:52:33 AM

Quant Time: May 23 01:11:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 23 01:03:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	376767	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	375274	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	160884	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	12648	0.43	ug/L	0.00
7) Chloroethane-d5	1.68	69	10725	0.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	21190	0.44	ug/L	0.00
20) 2-Butanone-d5	4.22	46	29753	4.84	ug/L	0.02
24) Chloroform-d	4.65	84	28868	0.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	15006	0.52	ug/L	0.00
32) Benzene-d6	5.33	84	56333	0.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	19059	0.57	ug/L	0.00
41) Toluene-d8	7.56	98	50579	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	5722	0.46	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	19832	3.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	18163	0.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	25328	0.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	7911	0.433 ug/L	99
3) Chloromethane	1.32	50	9336	0.526 ug/L	94
5) Vinyl chloride	1.40	62	8037	0.431 ug/L	99
6) Bromomethane	1.63	94	5509	0.507 ug/L	82
8) Chloroethane	1.70	64	6481	0.560 ug/L	89
9) Trichlorofluoromethane	1.88	101	10382	0.451 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	7150	0.473 ug/L	92
12) 1,1-Dichloroethene	2.28	96	6804	0.459 ug/L	88
13) Acetone	2.35	43	9918	4.924 ug/L	71
14) Carbon disulfide	2.47	76	21526	0.455 ug/L #	93
15) Methyl Acetate	2.62	43	3684	0.642 ug/L #	83
16) Methylene chloride	2.70	84	13994	0.791 ug/L	88
17) Methyl tert-butyl Ether	3.00	73	14711	0.423 ug/L #	92
18) trans-1,2-Dichloroethene	2.97	96	7617	0.483 ug/L	84
19) 1,1-Dichloroethane	3.44	63	10165	0.404 ug/L	97
21) 2-Butanone	4.31	43	12091m	4.166 ug/L	
22) cis-1,2-Dichloroethene	4.23	96	6757	0.433 ug/L	92
23) Bromochloromethane	4.55	128	2581	0.379 ug/L	90
25) Chloroform	4.67	83	11780	0.436 ug/L	90
27) 1,2-Dichloroethane	5.40	62	6602	0.425 ug/L #	92
29) 1,1,1-Trichloroethane	4.91	97	9664	0.447 ug/L	92
30) Cyclohexane	4.99	56	8492	0.428 ug/L	94
31) Carbon tetrachloride	5.13	117	8769	0.476 ug/L	89
33) Benzene	5.39	78	23486	0.416 ug/L	100
34) Trichloroethene	6.19	95	6662	0.436 ug/L	88
35) Methylcyclohexane	6.41	83	9238	0.417 ug/L	93
37) 1,2-Dichloropropane	6.44	63	5885	0.427 ug/L #	97
38) Bromodichloromethane	6.76	83	7771	0.440 ug/L #	87
39) cis-1,3-Dichloropropene	7.28	75	7666	0.400 ug/L	88
40) 4-Methyl-2-pentanone	7.47	43	27899	4.306 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	23250	0.390	ug/L	84
44) trans-1,3-Dichloropropene	7.89	75	5785	0.388	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	4901	0.480	ug/L	84
47) Tetrachloroethene	8.22	164	5490	0.474	ug/L	90
48) 2-Hexanone	8.37	43	21915	4.383	ug/L #	88
49) Dibromochloromethane	8.47	129	4795	0.404	ug/L	89
50) 1,2-Dibromoethane	8.59	107	4194	0.429	ug/L #	90
51) Chlorobenzene	9.12	112	16263	0.431	ug/L	95
52) Ethylbenzene	9.25	91	24039	0.404	ug/L	96
53) m,p-Xylene	9.38	106	7604	0.335	ug/L	96
54) o-Xylene	9.78	106	8177	0.375	ug/L	89
55) Styrene	9.80	104	12791	0.347	ug/L	83
56) Isopropylbenzene	10.16	105	20776	0.374	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	5546	0.438	ug/L	92
59) 1,2,3-Trichloropropane	10.50	75	3990	0.455	ug/L	99
61) Bromoform	9.96	173	2996	0.498	ug/L #	92
62) 1,3-Dichlorobenzene	11.42	146	12653	0.506	ug/L	87
63) 1,4-Dichlorobenzene	11.50	146	13796	0.525	ug/L	94
65) 1,2-Dichlorobenzene	11.88	146	12363	0.484	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	790m	0.483	ug/L	
67) 1,3,5-Trichlorobenzene	12.89	180	8751	0.465	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	5526m	0.425	ug/L	
69) Naphthalene	13.76	128	10194m	0.516	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	7328	0.555	ug/L #	87

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

