

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122819\
 Data File : VU036363.D
 Acq On : 28 Dec 2019 12:21
 Operator : JC/MD
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:05:42 AM

Quant Time: Dec 30 04:35:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Dec 30 04:25:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	276018	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	266223	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	119228	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	10958	0.46	ug/L	0.00
7) Chloroethane-d5	1.93	69	9846	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	19896	0.56	ug/L	0.00
20) 2-Butanone-d5	4.70	46	25678	5.46	ug/L	0.00
24) Chloroform-d	5.11	84	23065	0.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	12384	0.59	ug/L	0.00
32) Benzene-d6	5.77	84	42552	0.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	13859	0.64	ug/L	0.00
41) Toluene-d8	7.93	98	39509	0.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	6586	0.73	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	25359	7.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	11992	0.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	15094	0.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	12589	0.434 ug/L	89
3) Chloromethane	1.54	50	11858	0.333 ug/L	84
5) Vinyl chloride	1.62	62	12767	0.375 ug/L	96
6) Bromomethane	1.88	94	7637	0.441 ug/L	92
8) Chloroethane	1.95	64	7770m	0.383 ug/L	
9) Trichlorofluoromethane	2.16	101	17745	0.409 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	9241	0.435 ug/L	92
12) 1,1-Dichloroethene	2.61	96	9598	0.489 ug/L	84
13) Acetone	2.68	43	18977	4.960 ug/L	92
14) Carbon disulfide	2.83	76	30852	0.469 ug/L #	94
15) Methyl Acetate	3.00	43	3446	0.444 ug/L	98
16) Methylene chloride	3.09	84	14395	0.497 ug/L	93
17) Methyl tert-butyl Ether	3.42	73	26215	0.586 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	10482	0.500 ug/L	95
19) 1,1-Dichloroethane	3.92	63	18365	0.478 ug/L	96
21) 2-Butanone	4.78	43	29590	5.677 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	12801	0.568 ug/L #	99
23) Bromochloromethane	5.02	128	4549	0.427 ug/L	95
25) Chloroform	5.14	83	18511	0.444 ug/L	96
27) 1,2-Dichloroethane	5.84	62	13143	0.525 ug/L #	91
29) 1,1,1-Trichloroethane	5.36	97	17804	0.541 ug/L	97
30) Cyclohexane	5.43	56	18039	0.623 ug/L #	88
31) Carbon tetrachloride	5.56	117	14930	0.505 ug/L	98
33) Benzene	5.82	78	43422	0.539 ug/L	100
34) Trichloroethene	6.58	95	11577	0.551 ug/L	95
35) Methylcyclohexane	6.80	83	17793	0.579 ug/L #	89
37) 1,2-Dichloropropane	6.83	63	10809	0.518 ug/L #	95
38) Bromodichloromethane	7.15	83	15905	0.584 ug/L	96
39) cis-1,3-Dichloropropene	7.65	75	18575	0.633 ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	78241	6.820 ug/L	99

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42) Toluene	8.00	91	49135	0.568	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	13934	0.573	ug/L	84
45) 1,1,2-Trichloroethane	8.43	97	8173	0.527	ug/L	96
47) Tetrachloroethene	8.58	164	8008	0.438	ug/L	94
48) 2-Hexanone	8.73	43	55078	6.540	ug/L	94
49) Dibromochloromethane	8.84	129	11167	0.583	ug/L	97
50) 1,2-Dibromoethane	8.96	107	7970	0.535	ug/L #	97
51) Chlorobenzene	9.47	112	29981	0.524	ug/L	97
52) Ethylbenzene	9.60	91	51455	0.574	ug/L	99
53) m,p-Xylene	9.72	106	20931	0.614	ug/L	99
54) o-Xylene	10.12	106	19327	0.583	ug/L	96
55) Styrene	10.14	104	33749	0.583	ug/L	94
56) Isopropylbenzene	10.51	105	52881	0.616	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.81	83	11419	0.577	ug/L	92
59) 1,2,3-Trichloropropane	10.85	75	7845	0.569	ug/L	90
61) Bromoform	10.32	173	5976	0.571	ug/L #	84
62) 1,3-Dichlorobenzene	11.77	146	22567	0.565	ug/L	95
63) 1,4-Dichlorobenzene	11.86	146	22203	0.560	ug/L	93
65) 1,2-Dichlorobenzene	12.23	146	20648	0.543	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.02	75	1573	0.572	ug/L #	79
67) 1,3,5-Trichlorobenzene	13.24	180	14619m	0.485	ug/L	
68) 1,2,4-trichlorobenzene	13.86	180	9556	0.469	ug/L	97
69) Naphthalene	14.10	128	16258	0.580	ug/L	95
70) 1,2,3-Trichlorobenzene	14.35	180	9996	0.514	ug/L	99

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

