

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070219\
 Data File : VU033127.D
 Acq On : 02 Jul 2019 08:53
 Operator : JC/SP
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:18:20 AM

Quant Time: Jul 03 01:36:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 03 01:24:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	97348	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	96561	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48595	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	2711	0.43	ug/L	0.00
7) Chloroethane-d5	1.68	69	2524	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	7023	0.51	ug/L	0.00
20) 2-Butanone-d5	4.21	46	9372	4.76	ug/L	0.02
24) Chloroform-d	4.64	84	6695	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	4034	0.53	ug/L	0.00
32) Benzene-d6	5.33	84	11210	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	3769	0.49	ug/L	0.00
41) Toluene-d8	7.56	98	10543	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	1590	0.49	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	5194	3.88	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	3326	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4536	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5074	0.509 ug/L	98
3) Chloromethane	1.32	50	4993	0.526 ug/L	97
5) Vinyl chloride	1.40	62	4890	0.513 ug/L	98
6) Bromomethane	1.63	94	2439	0.474 ug/L	90
8) Chloroethane	1.70	64	2879	0.518 ug/L	90
9) Trichlorofluoromethane	1.88	101	6546	0.486 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3477	0.499 ug/L	100
12) 1,1-Dichloroethene	2.28	96	3163	0.489 ug/L	93
13) Acetone	2.34	43	9080	5.505 ug/L	97
14) Carbon disulfide	2.47	76	10661	0.497 ug/L #	92
15) Methyl Acetate	2.62	43	2077	0.542 ug/L #	86
16) Methylene chloride	2.69	84	4155	0.558 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	9090	0.502 ug/L #	93
18) trans-1,2-Dichloroethene	2.97	96	3601	0.508 ug/L	90
19) 1,1-Dichloroethane	3.43	63	7064	0.507 ug/L	96
21) 2-Butanone	4.30	43	10931m	4.675 ug/L	
22) cis-1,2-Dichloroethene	4.22	96	3678	0.474 ug/L	96
23) Bromochloromethane	4.54	128	1619	0.473 ug/L	88
25) Chloroform	4.67	83	9024	0.632 ug/L	98
27) 1,2-Dichloroethane	5.40	62	4951	0.507 ug/L	96
29) 1,1,1-Trichloroethane	4.90	97	6092	0.496 ug/L	99
30) Cyclohexane	4.98	56	5260	0.465 ug/L #	91
31) Carbon tetrachloride	5.13	117	5423	0.489 ug/L	97
33) Benzene	5.38	78	13482	0.475 ug/L	100
34) Trichloroethene	6.18	95	3731	0.480 ug/L	88
35) Methylcyclohexane	6.40	83	5246	0.450 ug/L	97
37) 1,2-Dichloropropane	6.43	63	3902	0.511 ug/L #	88
38) Bromodichloromethane	6.75	83	5133	0.511 ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	4759	0.426 ug/L	92
40) 4-Methyl-2-pentanone	7.47	43	24167	4.576 ug/L	100

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

42) Toluene	7.63	91	14213	0.468	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	4088	0.453	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	2612	0.485	ug/L	93
47) Tetrachloroethene	8.22	164	3081	0.492	ug/L	92
48) 2-Hexanone	8.37	43	17598	4.668	ug/L #	97
49) Dibromochloromethane	8.47	129	3395	0.503	ug/L	91
50) 1,2-Dibromoethane	8.58	107	2353	0.450	ug/L #	95
51) Chlorobenzene	9.12	112	9800	0.488	ug/L	96
52) Ethylbenzene	9.24	91	15186	0.455	ug/L	98
53) m,p-Xylene	9.37	106	5214	0.430	ug/L	88
54) o-Xylene	9.77	106	5258	0.446	ug/L	97
55) Styrene	9.79	104	8316	0.417	ug/L	99
56) Isopropylbenzene	10.16	105	13548	0.421	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.45	83	3323	0.482	ug/L #	91
59) 1,2,3-Trichloropropane	10.49	75	2615	0.513	ug/L	96
61) Bromoform	9.95	173	1725	0.469	ug/L #	93
62) 1,3-Dichlorobenzene	11.41	146	7464	0.491	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	7950	0.501	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	7148	0.484	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	449	0.451	ug/L #	62
67) 1,3,5-Trichlorobenzene	12.89	180	5476	0.456	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	3185m	0.374	ug/L	
69) Naphthalene	13.76	128	4179m	0.333	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2873m	0.346	ug/L	

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

