

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU029003.D
 Acq On : 03 Jan 2019 17:36
 Operator : MD/SY
 Sample : VU0103WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:20 AM

Quant Time: Jan 04 07:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	129768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	214836	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	197520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	79978	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	4.88	113	68449	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	7.56	98	269310	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	10.30	95	94335	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	25117	19.517	ug/l	99
3) Chloromethane	1.33	50	40575	19.325	ug/l	100
4) Vinyl Chloride	1.40	62	38143	20.112	ug/l	98
5) Bromomethane	1.60	94	21574	20.324	ug/l	99
6) Chloroethane	1.68	64	23649	20.935	ug/l	99
7) Trichlorofluoromethane	1.88	101	40691	19.690	ug/l	98
8) Diethyl Ether	2.10	74	19881	20.025	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	27026	19.546	ug/l	98
10) Methyl Iodide	2.40	142	26593	20.454	ug/l	99
11) Tert butyl alcohol	2.83	59	42260	103.639	ug/l	100
12) 1,1-Dichloroethene	2.28	96	27440	20.388	ug/l	96
13) Acrolein	2.19	56	28644	93.551	ug/l	98
14) Allyl chloride	2.59	41	51188	20.729	ug/l	99
15) Acrylonitrile	2.93	53	101386	101.348	ug/l	100
16) Acetone	2.32	43	87159	86.247	ug/l	100
17) Carbon Disulfide	2.47	76	88279	19.468	ug/l	99
18) Methyl Acetate	2.61	43	47301	20.130	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	93759	19.815	ug/l	99
20) Methylene Chloride	2.70	84	33082	19.281	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	30017	19.197	ug/l	96
22) Diisopropyl ether	3.57	45	98699	20.223	ug/l	97
23) Vinyl Acetate	3.52	43	402602	100.905	ug/l	100
24) 1,1-Dichloroethane	3.44	63	56695	20.123	ug/l	98
25) 2-Butanone	4.26	43	133859	98.070	ug/l	100
26) 2,2-Dichloropropane	4.22	77	44588	19.586	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	34518	20.183	ug/l	99
28) Bromochloromethane	4.55	49	23152	19.191	ug/l	99
29) Tetrahydrofuran	4.64	42	86134	104.045	ug/l	99
30) Chloroform	4.67	83	54117	20.166	ug/l	97
31) Cyclohexane	4.99	56	54435	19.789	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	44002	19.844	ug/l	97
36) 1,1-Dichloropropene	5.13	75	40589	18.902	ug/l	99
37) Ethyl Acetate	4.38	43	46461	19.711	ug/l	100
38) Carbon Tetrachloride	5.13	117	35188	19.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	50339	19.068	ug/l	99
40) Benzene	5.39	78	130204	19.438	ug/l	98
41) Methacrylonitrile	4.54	41	25677	20.351	ug/l	98
42) 1,2-Dichloroethane	5.40	62	40032	19.889	ug/l	98
43) Isopropyl Acetate	5.55	43	74152	20.508	ug/l	100
44) Trichloroethene	6.18	130	31557	19.014	ug/l	99
45) 1,2-Dichloropropane	6.43	63	35179	19.888	ug/l	99
46) Dibromomethane	6.56	93	22618	20.002	ug/l	99
47) Bromodichloromethane	6.75	83	41102	19.742	ug/l	98
48) Methyl methacrylate	6.62	41	36456	20.706	ug/l	99
49) 1,4-Dioxane	6.61	88	18646	446.891	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	248145	100.841	ug/l	99
52) Toluene	7.64	92	80774	19.809	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	47468	18.980	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	51882	19.198	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	32622	19.969	ug/l	98
56) Ethyl methacrylate	8.02	69	50064	19.892	ug/l	100
57) 1,3-Dichloropropane	8.24	76	54757	19.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	113513	102.558	ug/l	100
59) 2-Hexanone	8.36	43	193586	100.221	ug/l	99
60) Dibromochloromethane	8.48	129	31638	19.549	ug/l	99
61) 1,2-Dibromoethane	8.58	107	34641	19.552	ug/l	97
64) Tetrachloroethene	8.22	164	28500	20.030	ug/l	97
65) Chlorobenzene	9.12	112	85845	19.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	28263	19.671	ug/l	100
67) Ethyl Benzene	9.25	91	145952	19.745	ug/l	100
68) m/p-Xylenes	9.37	106	113476	39.509	ug/l	98
69) o-Xylene	9.78	106	55978	20.228	ug/l	97
70) Styrene	9.79	104	88794	19.572	ug/l	99
71) Bromoform	9.96	173	24932	19.488	ug/l #	100
73) Isopropylbenzene	10.16	105	143942	20.218	ug/l	99
74) N-amyl acetate	10.01	43	64028	20.871	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	57232	20.058	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	48768m	20.693	ug/l	
77) Bromobenzene	10.45	156	36958	19.920	ug/l	99
78) n-propylbenzene	10.58	91	165710	19.751	ug/l	100
79) 2-Chlorotoluene	10.66	91	102025	20.046	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	118357	19.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	16865m	18.456	ug/l	
82) 4-Chlorotoluene	10.77	91	112904	19.346	ug/l	100
83) tert-Butylbenzene	11.10	119	115696	19.744	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	120229	20.255	ug/l	100
85) sec-Butylbenzene	11.32	105	141835	20.014	ug/l	100
86) p-Isopropyltoluene	11.47	119	120423	19.941	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	66365	19.501	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	65380	18.612	ug/l	99
89) n-Butylbenzene	11.89	91	104538	19.395	ug/l	99
90) Hexachloroethane	12.14	117	18999	18.701	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	66321	19.349	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11415	20.800	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39942	18.255	ug/l	99
94) Hexachlorobutadiene	13.69	225	18628	18.613	ug/l	98
95) Naphthalene	13.74	128	136018	18.274	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	41369	18.856	ug/l	98

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

