

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034017.D
 Acq On : 28 Aug 2019 12:26
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:27:35 AM

Quant Time: Aug 29 03:39:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:17:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	416616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	654859	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	635884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	320125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	106301	21.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.92%	
35) Dibromofluoromethane	4.86	113	86818	19.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.88%	
50) Toluene-d8	7.55	98	342476	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	
62) 4-Bromofluorobenzene	10.29	95	123748	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	91391	21.248	ug/l	96
3) Chloromethane	1.32	50	120938	22.225	ug/l	99
4) Vinyl Chloride	1.40	62	113435	24.966	ug/l	100
5) Bromomethane	1.60	94	64596	24.341	ug/l	99
6) Chloroethane	1.68	64	69558	25.736	ug/l	99
7) Trichlorofluoromethane	1.87	101	132588	22.958	ug/l	99
8) Diethyl Ether	2.09	74	56845	25.333	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	81754	22.383	ug/l	99
10) Methyl Iodide	2.40	142	116305	21.182	ug/l	100
11) Tert butyl alcohol	2.81	59	118746	96.063	ug/l	99
12) 1,1-Dichloroethene	2.27	96	84079	22.025	ug/l	98
13) Acrolein	2.18	56	51994	124.529	ug/l	100
14) Allyl chloride	2.58	41	158942	23.223	ug/l	99
15) Acrylonitrile	2.92	53	291062	114.361	ug/l	99
16) Acetone	2.31	43	279293	119.203	ug/l	100
17) Carbon Disulfide	2.46	76	260470	20.843	ug/l	98
18) Methyl Acetate	2.60	43	134349	23.351	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	281196	21.978	ug/l	99
20) Methylene Chloride	2.68	84	103343	21.260	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	91921	21.298	ug/l	98
22) Diisopropyl ether	3.55	45	298947	23.736	ug/l	95
23) Vinyl Acetate	3.50	43	1278098	119.085	ug/l	100
24) 1,1-Dichloroethane	3.42	63	171134	22.003	ug/l	99
25) 2-Butanone	4.24	43	397978	118.343	ug/l	100
26) 2,2-Dichloropropane	4.20	77	139277	21.295	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	103622	21.409	ug/l	98
28) Bromochloromethane	4.52	49	85691	23.719	ug/l	97
29) Tetrahydrofuran	4.61	42	249971	119.314	ug/l	99
30) Chloroform	4.65	83	169286	21.404	ug/l	98
31) Cyclohexane	4.97	56	159384	22.149	ug/l	94
32) 1,1,1-Trichloroethane	4.89	97	139825	21.117	ug/l	99
36) 1,1-Dichloropropene	5.11	75	120897	19.708	ug/l	99
37) Ethyl Acetate	4.36	43	139024	22.227	ug/l	100
38) Carbon Tetrachloride	5.11	117	120368	19.463	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	145035	20.006	ug/l	97
40) Benzene	5.37	78	382837	20.966	ug/l	100
41) Methacrylonitrile	4.52	41	74518	22.876	ug/l	100
42) 1,2-Dichloroethane	5.38	62	132655	21.405	ug/l	98
43) Isopropyl Acetate	5.53	43	214611	22.315	ug/l	99
44) Trichloroethene	6.17	130	100111	19.539	ug/l	100
45) 1,2-Dichloropropane	6.41	63	105183	21.364	ug/l	99
46) Dibromomethane	6.54	93	66899	20.223	ug/l	99
47) Bromodichloromethane	6.74	83	131140	20.742	ug/l	99
48) Methyl methacrylate	6.60	41	100971	21.863	ug/l	98
49) 1,4-Dioxane	6.59	88	49863	408.390	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	758039	113.845	ug/l	98
52) Toluene	7.62	92	232517	20.223	ug/l	96
53) t-1,3-Dichloropropene	7.86	75	144295	20.485	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	158575	20.915	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	100198	20.524	ug/l	99
56) Ethyl methacrylate	8.00	69	144306	20.745	ug/l	100
57) 1,3-Dichloropropane	8.22	76	170955	21.530	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	278250	108.744	ug/l	99
59) 2-Hexanone	8.34	43	572864	112.032	ug/l	98
60) Dibromochloromethane	8.46	129	103030	18.984	ug/l	100
61) 1,2-Dibromoethane	8.57	107	102757	20.059	ug/l	99
64) Tetrachloroethene	8.21	164	86024	17.114	ug/l	99
65) Chlorobenzene	9.10	112	259958	19.565	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	92388	18.817	ug/l	98
67) Ethyl Benzene	9.23	91	441747	19.836	ug/l	99
68) m/p-Xylenes	9.36	106	344229	40.199	ug/l	100
69) o-Xylene	9.76	106	162412	19.789	ug/l	97
70) Styrene	9.77	104	280740	19.978	ug/l	99
71) Bromoform	9.94	173	79304	18.247	ug/l #	99
73) Isopropylbenzene	10.15	105	450142	21.302	ug/l	98
74) N-amyl acetate	10.00	43	185199	22.801	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	167956	21.866	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	151215m	22.970	ug/l	
77) Bromobenzene	10.43	156	115563	19.533	ug/l	98
78) n-propylbenzene	10.57	91	513178	21.329	ug/l	100
79) 2-Chlorotoluene	10.64	91	310097	21.340	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	383538	21.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	44292m	20.004	ug/l	
82) 4-Chlorotoluene	10.76	91	351964	20.980	ug/l	99
83) tert-Butylbenzene	11.08	119	361846	20.547	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	380580	21.393	ug/l	100
85) sec-Butylbenzene	11.30	105	437990	20.859	ug/l	100
86) p-Isopropyltoluene	11.46	119	400497	20.491	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	204173	19.473	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	205060	19.395	ug/l	99
89) n-Butylbenzene	11.87	91	346880	21.011	ug/l	98
90) Hexachloroethane	12.12	117	65724	20.258	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	199559	19.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33043	21.697	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	120192	19.062	ug/l	97
94) Hexachlorobutadiene	13.67	225	77395	18.518	ug/l	99
95) Naphthalene	13.73	128	333362	19.942	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	124539	19.121	ug/l	98

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

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