

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033974.D
 Acq On : 27 Aug 2019 15:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:46 AM

Quant Time: Aug 28 02:19:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 01:57:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	340837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	504784	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	484608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	259415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	77614	16.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.62%	
35) Dibromofluoromethane	4.86	113	68632	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	
50) Toluene-d8	7.55	98	263351	20.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.14%	
62) 4-Bromofluorobenzene	10.29	95	93642	18.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74693	19.331	ug/l	99
3) Chloromethane	1.32	50	82032	17.740	ug/l	99
4) Vinyl Chloride	1.40	62	71372	14.225	ug/l	97
5) Bromomethane	1.61	94	41981	15.275	ug/l	99
6) Chloroethane	1.68	64	41748	13.231	ug/l	96
7) Trichlorofluoromethane	1.87	101	93018	15.243	ug/l	99
8) Diethyl Ether	2.09	74	33830	13.082	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	58906	16.431	ug/l	99
10) Methyl Iodide	2.40	142	88477	22.147	ug/l	99
11) Tert butyl alcohol	2.81	59	94354	94.165	ug/l #	88
12) 1,1-Dichloroethene	2.27	96	61020	16.587	ug/l	97
13) Acrolein	2.18	56	30505	56.120	ug/l	100
14) Allyl chloride	2.58	41	106686	16.103	ug/l	98
15) Acrylonitrile	2.92	53	207878	81.138	ug/l	98
16) Acetone	2.31	43	180344	65.313	ug/l	99
17) Carbon Disulfide	2.46	76	194065	16.062	ug/l	99
18) Methyl Acetate	2.60	43	92105	14.926	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	207870	17.734	ug/l	99
20) Methylene Chloride	2.68	84	77550	17.061	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	70322	17.366	ug/l	97
22) Diisopropyl ether	3.55	45	205196	16.390	ug/l	99
23) Vinyl Acetate	3.50	43	872045	84.551	ug/l	99
24) 1,1-Dichloroethane	3.42	63	126359	16.274	ug/l	100
25) 2-Butanone	4.24	43	270973	76.047	ug/l	100
26) 2,2-Dichloropropane	4.20	77	105051	16.625	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	77396	17.766	ug/l	100
28) Bromochloromethane	4.52	49	56556	14.877	ug/l	100
29) Tetrahydrofuran	4.62	42	169845	79.084	ug/l	99
30) Chloroform	4.65	83	126951	16.383	ug/l	99
31) Cyclohexane	4.97	56	114822	16.913	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	111158	17.476	ug/l	99
36) 1,1-Dichloropropene	5.12	75	90832	17.820	ug/l	97
37) Ethyl Acetate	4.36	43	98019	16.556	ug/l	100
38) Carbon Tetrachloride	5.11	117	98403	19.168	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	111442	19.622	ug/l	99
40) Benzene	5.37	78	289633	19.104	ug/l	98
41) Methacrylonitrile	4.52	41	51964	17.494	ug/l	98
42) 1,2-Dichloroethane	5.38	62	98430	17.764	ug/l	99
43) Isopropyl Acetate	5.53	43	147899	17.080	ug/l	100
44) Trichloroethene	6.17	130	79795	19.927	ug/l	97
45) 1,2-Dichloropropane	6.41	63	77431	18.520	ug/l	99
46) Dibromomethane	6.54	93	51968	19.158	ug/l	98
47) Bromodichloromethane	6.74	83	99395	18.264	ug/l	97
48) Methyl methacrylate	6.60	41	69414	17.840	ug/l	100
49) 1,4-Dioxane	6.59	88	38864	422.975	ug/l #	99
51) 4-Methyl-2-Pentanone	7.44	43	512964	87.469	ug/l	100
52) Toluene	7.62	92	179826	20.307	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	107356	19.044	ug/l	96
54) cis-1,3-Dichloropropene	7.25	75	118554	18.877	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	73753	18.994	ug/l	99
56) Ethyl methacrylate	8.00	69	105600	20.019	ug/l	98
57) 1,3-Dichloropropane	8.22	76	124292	18.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	174965	92.918	ug/l	98
59) 2-Hexanone	8.34	43	396196	88.591	ug/l	99
60) Dibromochloromethane	8.46	129	84724	20.672	ug/l	97
61) 1,2-Dibromoethane	8.57	107	80469	19.937	ug/l	97
64) Tetrachloroethene	8.21	164	84155	23.520	ug/l	97
65) Chlorobenzene	9.10	112	203728	20.367	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	75710	20.391	ug/l	98
67) Ethyl Benzene	9.23	91	344003	21.063	ug/l	99
68) m/p-Xylenes	9.36	106	275168	45.513	ug/l	99
69) o-Xylene	9.76	106	127408	22.032	ug/l	98
70) Styrene	9.77	104	225018	22.526	ug/l	100
71) Bromoform	9.94	173	65631	20.911	ug/l #	98
73) Isopropylbenzene	10.15	105	350595	21.920	ug/l	100
74) N-amyl acetate	10.00	43	126325	18.808	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	121816	18.191	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	113016m	19.170	ug/l	
77) Bromobenzene	10.43	156	96738	22.411	ug/l	99
78) n-propylbenzene	10.57	91	397683	21.020	ug/l	99
79) 2-Chlorotoluene	10.64	91	242492	21.364	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	306957	22.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	31188m	14.476	ug/l	
82) 4-Chlorotoluene	10.76	91	273638	20.543	ug/l	100
83) tert-Butylbenzene	11.08	119	286539	22.363	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	302665	22.765	ug/l	99
85) sec-Butylbenzene	11.30	105	348833	21.792	ug/l	100
86) p-Isopropyltoluene	11.46	119	328059	22.485	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	168698	20.735	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	169654	20.193	ug/l	99
89) n-Butylbenzene	11.87	91	268053	20.593	ug/l	98
90) Hexachloroethane	12.12	117	51067	18.193	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	168455	21.581	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25060	18.197	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	103950	22.059	ug/l	99
94) Hexachlorobutadiene	13.68	225	68749	23.163	ug/l	98
95) Naphthalene	13.73	128	271773	21.080	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	103937	21.942	ug/l	99

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

