

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029212.D
 Acq On : 16 Jan 2019 16:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:43:47 AM

Quant Time: Jan 17 02:27:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	113564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181258	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	71081	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	4.88	113	60074	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	7.56	98	229632	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	10.30	95	84451	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	50981	45.267	ug/l	98
3) Chloromethane	1.33	50	75771	42.041	ug/l	99
4) Vinyl Chloride	1.40	62	76612	46.161	ug/l	98
5) Bromomethane	1.61	94	40226	46.958	ug/l	99
6) Chloroethane	1.69	64	44961	45.481	ug/l	99
7) Trichlorofluoromethane	1.88	101	85331	47.184	ug/l	99
8) Diethyl Ether	2.10	74	41208	47.428	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	55769	46.088	ug/l	99
10) Methyl Iodide	2.40	142	60017	52.749	ug/l	99
11) Tert butyl alcohol	2.83	59	83731	234.643	ug/l	100
12) 1,1-Dichloroethene	2.28	96	51972	44.126	ug/l	94
13) Acrolein	2.19	56	53901	201.159	ug/l	98
14) Allyl chloride	2.59	41	95125	44.017	ug/l	91
15) Acrylonitrile	2.93	53	213564	243.945	ug/l	99
16) Acetone	2.32	43	185236	209.452	ug/l	99
17) Carbon Disulfide	2.47	76	163945	41.945	ug/l	99
18) Methyl Acetate	2.61	43	109322	53.163	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	206268	49.812	ug/l	100
20) Methylene Chloride	2.70	84	70717	47.096	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	60242	44.023	ug/l	95
22) Diisopropyl ether	3.57	45	217349	50.888	ug/l	99
23) Vinyl Acetate	3.52	43	887558	254.192	ug/l	99
24) 1,1-Dichloroethane	3.44	63	124452	50.475	ug/l	99
25) 2-Butanone	4.26	43	293542	245.746	ug/l	98
26) 2,2-Dichloropropane	4.22	77	99181	49.783	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	73318	48.988	ug/l	98
28) Bromochloromethane	4.54	49	55427	52.499	ug/l	96
29) Tetrahydrofuran	4.63	42	180095	248.586	ug/l	99
30) Chloroform	4.67	83	120668	51.382	ug/l	96
31) Cyclohexane	4.99	56	108533	46.553	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	95399	49.163	ug/l	98
36) 1,1-Dichloropropene	5.13	75	88129	48.643	ug/l	98
37) Ethyl Acetate	4.38	43	102081	51.331	ug/l	98
38) Carbon Tetrachloride	5.13	117	79330	52.498	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	108926	48.904	ug/l	99
40) Benzene	5.39	78	281157	49.750	ug/l	99
41) Methacrylonitrile	4.53	41	57159	53.695	ug/l	99
42) 1,2-Dichloroethane	5.40	62	89326	52.601	ug/l	100
43) Isopropyl Acetate	5.54	43	163350	53.546	ug/l	99
44) Trichloroethene	6.18	130	66899	47.776	ug/l	100
45) 1,2-Dichloropropane	6.43	63	78574	52.649	ug/l	98
46) Dibromomethane	6.56	93	48536	50.874	ug/l	99
47) Bromodichloromethane	6.75	83	92686	52.766	ug/l	98
48) Methyl methacrylate	6.62	41	81168	54.642	ug/l	99
49) 1,4-Dioxane	6.61	88	34481	979.502	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	549274	264.565	ug/l	99
52) Toluene	7.63	92	172511	50.143	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	107180	50.794	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118111	51.802	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	72900	52.892	ug/l	98
56) Ethyl methacrylate	8.02	69	112001	52.747	ug/l	98
57) 1,3-Dichloropropane	8.24	76	123081	52.189	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	253469	271.432	ug/l	100
59) 2-Hexanone	8.36	43	427426	262.273	ug/l	98
60) Dibromochloromethane	8.48	129	71306	52.221	ug/l	98
61) 1,2-Dibromoethane	8.58	107	75817	50.720	ug/l	100
64) Tetrachloroethene	8.22	164	57847	46.518	ug/l	97
65) Chlorobenzene	9.12	112	186354	48.160	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	64502	51.365	ug/l	99
67) Ethyl Benzene	9.25	91	326303	50.508	ug/l	99
68) m/p-Xylenes	9.37	106	252434	100.564	ug/l	100
69) o-Xylene	9.78	106	122039	50.458	ug/l	100
70) Styrene	9.79	104	203114	51.227	ug/l	99
71) Bromoform	9.95	173	57706	51.610	ug/l #	99
73) Isopropylbenzene	10.16	105	324859	49.151	ug/l	100
74) N-amyl acetate	10.01	43	146830	51.554	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	126639	47.807	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	107019m	48.915	ug/l	
77) Bromobenzene	10.45	156	81362	47.238	ug/l	98
78) n-propylbenzene	10.58	91	395811	50.816	ug/l	99
79) 2-Chlorotoluene	10.66	91	227320	48.111	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	275157	49.853	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	37609m	44.333	ug/l	
82) 4-Chlorotoluene	10.77	91	262889	48.522	ug/l	100
83) tert-Butylbenzene	11.10	119	268159	49.294	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	284131	51.562	ug/l	99
85) sec-Butylbenzene	11.32	105	339668	51.628	ug/l	99
86) p-Isopropyltoluene	11.47	119	290616	51.838	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	150931	47.774	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	154084	47.249	ug/l	98
89) n-Butylbenzene	11.89	91	279795	55.917	ug/l	99
90) Hexachloroethane	12.14	117	48644	51.577	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	150136	47.181	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25631	50.308	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	106270	52.316	ug/l	99
94) Hexachlorobutadiene	13.69	225	51307	55.222	ug/l	99
95) Naphthalene	13.74	128	334967	48.475	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	107787	51.521	ug/l	99

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

