

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121718\
 Data File : VU028734.D
 Acq On : 17 Dec 2018 20:44
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:17 AM

Quant Time: Dec 18 07:27:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	77030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	136677	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62922	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	62868	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
35) Dibromofluoromethane	4.88	113	46730	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
50) Toluene-d8	7.56	98	181892	53.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	10.31	95	66491	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	47491	45.997	ug/l	98
3) Chloromethane	1.33	50	84892	44.722	ug/l	100
4) Vinyl Chloride	1.40	62	64664	47.205	ug/l	99
5) Bromomethane	1.60	94	27714	50.224	ug/l	95
6) Chloroethane	1.68	64	37431	48.266	ug/l	100
7) Trichlorofluoromethane	1.88	101	70971	49.243	ug/l	98
8) Diethyl Ether	2.10	74	31623	46.898	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	42166	48.918	ug/l	99
10) Methyl Iodide	2.41	142	44614	65.964	ug/l	99
11) Tert butyl alcohol	2.83	59	64356	245.725	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40496	47.218	ug/l	98
13) Acrolein	2.19	56	56278	269.548	ug/l	99
14) Allyl chloride	2.59	41	97202	47.909	ug/l	99
15) Acrylonitrile	2.93	53	201782	277.506	ug/l	98
16) Acetone	2.32	43	159226	207.572	ug/l	99
17) Carbon Disulfide	2.47	76	137108	44.376	ug/l	99
18) Methyl Acetate	2.61	43	121331	61.017	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	166249	51.134	ug/l	99
20) Methylene Chloride	2.70	84	53209	47.054	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	46971	48.643	ug/l	98
22) Diisopropyl ether	3.57	45	211123	53.510	ug/l	98
23) Vinyl Acetate	3.52	43	854342	262.517	ug/l	99
24) 1,1-Dichloroethane	3.44	63	104917	50.800	ug/l	98
25) 2-Butanone	4.26	43	271089	258.599	ug/l	99
26) 2,2-Dichloropropane	4.22	77	74280	45.391	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	54783	50.124	ug/l	98
28) Bromochloromethane	4.55	49	52761	56.195	ug/l	97
29) Tetrahydrofuran	4.64	42	184434	273.942	ug/l	98
30) Chloroform	4.67	83	93317	51.841	ug/l	96
31) Cyclohexane	4.99	56	99035	49.117	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	76208	50.975	ug/l	98
36) 1,1-Dichloropropene	5.13	75	70283	46.992	ug/l	99
37) Ethyl Acetate	4.38	43	103452	53.507	ug/l	99
38) Carbon Tetrachloride	5.13	117	58986	48.931	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	82879	45.422	ug/l	99
40) Benzene	5.39	78	218990	49.714	ug/l	98
41) Methacrylonitrile	4.54	41	58482	55.233	ug/l	98
42) 1,2-Dichloroethane	5.40	62	77348	50.164	ug/l	100
43) Isopropyl Acetate	5.55	43	162347	53.088	ug/l	100
44) Trichloroethene	6.18	130	47120	48.109	ug/l	96
45) 1,2-Dichloropropane	6.43	63	64767	52.286	ug/l	97
46) Dibromomethane	6.56	93	37446	50.949	ug/l	99
47) Bromodichloromethane	6.76	83	72953	51.009	ug/l	100
48) Methyl methacrylate	6.62	41	82788	54.437	ug/l	99
49) 1,4-Dioxane	6.61	88	22512	937.499	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	529163	274.353	ug/l	99
52) Toluene	7.64	92	129119	49.806	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	85181	50.008	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	92030	49.799	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	53481	52.189	ug/l	99
56) Ethyl methacrylate	8.02	69	93602	53.339	ug/l	100
57) 1,3-Dichloropropane	8.24	76	97822	51.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	245203	272.798	ug/l	100
59) 2-Hexanone	8.36	43	407209	266.366	ug/l	99
60) Dibromochloromethane	8.48	129	52192	52.020	ug/l	99
61) 1,2-Dibromoethane	8.58	107	56771	52.828	ug/l	100
64) Tetrachloroethene	8.22	164	40785	48.114	ug/l	99
65) Chlorobenzene	9.12	112	133096	49.149	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	46090	53.298	ug/l	99
67) Ethyl Benzene	9.25	91	246389	49.494	ug/l	99
68) m/p-Xylenes	9.37	106	180541	99.667	ug/l	98
69) o-Xylene	9.78	106	88838	50.466	ug/l	99
70) Styrene	9.79	104	147114	50.498	ug/l	99
71) Bromoform	9.96	173	40760	55.407	ug/l #	99
73) Isopropylbenzene	10.16	105	237340	49.157	ug/l	100
74) N-amyl acetate	10.01	43	146974	52.772	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	98916	53.332	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	81417m	50.673	ug/l	
77) Bromobenzene	10.45	156	55937	49.537	ug/l	99
78) n-propylbenzene	10.58	91	292236	48.710	ug/l	99
79) 2-Chlorotoluene	10.66	91	170465	49.326	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	198952	49.780	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35160m	53.763	ug/l	
82) 4-Chlorotoluene	10.77	91	196421	47.963	ug/l	99
83) tert-Butylbenzene	11.10	119	192417	49.949	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	205024	49.776	ug/l	99
85) sec-Butylbenzene	11.32	105	241034	48.705	ug/l	98
86) p-Isopropyltoluene	11.48	119	204402	48.622	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	102023	47.848	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	103161	46.763	ug/l	99
89) n-Butylbenzene	11.89	91	198391	46.631	ug/l	99
90) Hexachloroethane	12.14	117	33595	52.872	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	103499	48.527	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22098	55.032	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	68006	46.462	ug/l	99
94) Hexachlorobutadiene	13.69	225	31361	44.889	ug/l	97
95) Naphthalene	13.74	128	244114	47.698	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69568	47.700	ug/l	99

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

