

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112718\
 Data File : VU028350.D
 Acq On : 27 Nov 2018 21:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 11/28/2018 5:25:20 PM

Quant Time: Nov 28 05:09:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	201952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	357919	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	341255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	169190	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	181622	60.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.98%	
35) Dibromofluoromethane	4.88	113	128841	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
50) Toluene-d8	7.56	98	493995	56.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.34%	
62) 4-Bromofluorobenzene	10.31	95	188399	58.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	109620	42.72	ug/l	100
3) Chloromethane	1.33	50	237018	76.37	ug/l	99
4) Vinyl Chloride	1.40	62	172295	55.93	ug/l	100
5) Bromomethane	1.60	94	62580	49.42	ug/l	94
6) Chloroethane	1.68	64	103567	58.34	ug/l	99
7) Trichlorofluoromethane	1.88	101	191585	53.82	ug/l	95
8) Diethyl Ether	2.10	74	91770	60.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	114462	54.13	ug/l	98
10) Methyl Iodide	2.41	142	108444	54.94	ug/l	99
11) Tert butyl alcohol	2.83	59	229466	288.68	ug/l	100
12) 1,1-Dichloroethene	2.28	96	112051	52.94	ug/l	97
13) Acrolein	2.19	56	44420	149.18	ug/l	100
14) Allyl chloride	2.59	41	283006	54.71	ug/l	99
15) Acrylonitrile	2.93	53	589127	301.73	ug/l	99
16) Acetone	2.32	43	527809	283.33	ug/l	100
17) Carbon Disulfide	2.48	76	369073	53.35	ug/l	100
18) Methyl Acetate	2.61	43	328345	64.07	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	481579	56.42	ug/l	100
20) Methylene Chloride	2.70	84	157203	57.80	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	129281	52.93	ug/l	94
22) Diisopropyl ether	3.57	45	612490	57.35	ug/l	97
23) Vinyl Acetate	3.52	43	2592737	282.48	ug/l	99
24) 1,1-Dichloroethane	3.44	63	303772	57.10	ug/l	99
25) 2-Butanone	4.26	43	872862	294.52	ug/l	99
26) 2,2-Dichloropropane	4.22	77	222444	55.72	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	153690	56.11	ug/l	95
28) Bromochloromethane	4.55	49	157774	63.27	ug/l	94
29) Tetrahydrofuran	4.64	42	557700	281.82	ug/l	99
30) Chloroform	4.67	83	274229	56.22	ug/l	99
31) Cyclohexane	4.99	56	281013	53.97	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	220079	56.68	ug/l	99
36) 1,1-Dichloropropene	5.13	75	205501	54.82	ug/l	97
37) Ethyl Acetate	4.38	43	305684	55.65	ug/l	100
38) Carbon Tetrachloride	5.13	117	170018	51.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	237547	52.54	ug/l	99
40) Benzene	5.39	78	621118	54.19	ug/l	100
41) Methacrylonitrile	4.54	41	175819	59.98	ug/l	100
42) 1,2-Dichloroethane	5.40	62	227326	55.80	ug/l	98
43) Isopropyl Acetate	5.55	43	480938	55.89	ug/l	100
44) Trichloroethene	6.19	130	132311	53.71	ug/l	97
45) 1,2-Dichloropropane	6.43	63	187231	56.65	ug/l	98
46) Dibromomethane	6.56	93	106488	56.05	ug/l	93
47) Bromodichloromethane	6.76	83	211681	57.82	ug/l	99
48) Methyl methacrylate	6.62	41	247348	58.66	ug/l	97
49) 1,4-Dioxane	6.61	88	90624	1317.23	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1631773	283.94	ug/l	99
52) Toluene	7.64	92	363874	54.00	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	248501	54.63	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	265493	58.82	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	150127	54.77	ug/l	96
56) Ethyl methacrylate	8.02	69	265646	54.95	ug/l	98
57) 1,3-Dichloropropane	8.24	76	282471	56.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	726638	280.66	ug/l	98
59) 2-Hexanone	8.36	43	1261474	283.81	ug/l	100
60) Dibromochloromethane	8.48	129	144722	55.79	ug/l	100
61) 1,2-Dibromoethane	8.58	107	157880	54.20	ug/l	99
64) Tetrachloroethene	8.22	164	116023	52.43	ug/l	97
65) Chlorobenzene	9.12	112	376622	52.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	127425	51.74	ug/l	98
67) Ethyl Benzene	9.25	91	710497	53.54	ug/l	99
68) m/p-Xylenes	9.37	106	515582	107.07	ug/l	98
69) o-Xylene	9.78	106	250172	51.45	ug/l	95
70) Styrene	9.79	104	420989	54.19	ug/l	99
71) Bromoform	9.96	173	109449	53.03	ug/l #	98
73) Isopropylbenzene	10.16	105	672007	51.27	ug/l	100
74) N-amyl acetate	10.01	43	430579	54.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	282158	53.37	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	256775m	55.48	ug/l	
77) Bromobenzene	10.45	156	155131	51.62	ug/l	94
78) n-propylbenzene	10.58	91	836494	53.32	ug/l	98
79) 2-Chlorotoluene	10.66	91	489675	52.07	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	570465	52.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	85348m	46.07	ug/l	
82) 4-Chlorotoluene	10.77	91	569008	53.30	ug/l	98
83) tert-Butylbenzene	11.10	119	545269	50.23	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	581399	53.18	ug/l	99
85) sec-Butylbenzene	11.32	105	695715	52.70	ug/l	100
86) p-Isopropyltoluene	11.48	119	581765	52.72	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	287194	51.73	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	283479	49.82	ug/l	99
89) n-Butylbenzene	11.89	91	573206	54.65	ug/l	99
90) Hexachloroethane	12.14	117	86672	44.11	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	292507	52.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	63634	57.12	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	193538	49.44	ug/l	98
94) Hexachlorobutadiene	13.69	225	89466	50.42	ug/l	98
95) Naphthalene	13.74	128	710814	51.22	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	198506	52.98	ug/l	100

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

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