

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028635.D
 Acq On : 12 Dec 2018 02:30
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:49:11 AM

Quant Time: Dec 12 06:01:49 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	108892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	187971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	77741	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	4.88	113	59244	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	7.56	98	236291	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	10.30	95	87241	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	66321	45.439	ug/l	99
3) Chloromethane	1.33	50	110653	41.237	ug/l	99
4) Vinyl Chloride	1.40	62	90128	46.542	ug/l	97
5) Bromomethane	1.61	94	36992	47.422	ug/l	99
6) Chloroethane	1.68	64	50031	45.637	ug/l	95
7) Trichlorofluoromethane	1.88	101	95662	46.953	ug/l	99
8) Diethyl Ether	2.10	74	43752	45.900	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58223	47.782	ug/l	100
10) Methyl Iodide	2.41	142	61118	63.924	ug/l	98
11) Tert butyl alcohol	2.83	59	90328	243.975	ug/l	99
12) 1,1-Dichloroethene	2.28	96	57529	47.451	ug/l	94
13) Acrolein	2.19	56	68816	233.158	ug/l	97
14) Allyl chloride	2.59	41	121595	42.396	ug/l	98
15) Acrylonitrile	2.93	53	255871	248.929	ug/l	98
16) Acetone	2.32	43	197894	182.496	ug/l	98
17) Carbon Disulfide	2.47	76	191545	43.856	ug/l	99
18) Methyl Acetate	2.61	43	148018	52.657	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	222128	48.330	ug/l	100
20) Methylene Chloride	2.70	84	72118	45.115	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	64427	47.198	ug/l	96
22) Diisopropyl ether	3.57	45	266088	47.708	ug/l	98
23) Vinyl Acetate	3.52	43	1114715	242.300	ug/l	99
24) 1,1-Dichloroethane	3.44	63	135424	46.385	ug/l	99
25) 2-Butanone	4.26	43	345784	233.337	ug/l	99
26) 2,2-Dichloropropane	4.22	77	90095	38.946	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	75536	48.890	ug/l	94
28) Bromochloromethane	4.55	49	64938	48.927	ug/l	99
29) Tetrahydrofuran	4.63	42	238248	250.329	ug/l	98
30) Chloroform	4.67	83	124008	48.734	ug/l	98
31) Cyclohexane	4.99	56	133544	46.796	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	101828	48.183	ug/l	99
36) 1,1-Dichloropropene	5.13	75	96506	46.917	ug/l	99
37) Ethyl Acetate	4.38	43	133232	50.106	ug/l	99
38) Carbon Tetrachloride	5.13	117	81371	49.081	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	119632	47.673	ug/l	97
40) Benzene	5.39	78	298175	49.219	ug/l	100
41) Methacrylonitrile	4.54	41	74381	51.079	ug/l	99
42) 1,2-Dichloroethane	5.40	62	99733	47.031	ug/l	100
43) Isopropyl Acetate	5.55	43	213319	50.721	ug/l	99
44) Trichloroethene	6.18	130	67526	50.130	ug/l	94
45) 1,2-Dichloropropane	6.43	63	86301	50.658	ug/l	97
46) Dibromomethane	6.56	93	50390	49.852	ug/l	97
47) Bromodichloromethane	6.76	83	96276	48.947	ug/l	99
48) Methyl methacrylate	6.62	41	109527	52.367	ug/l	97
49) 1,4-Dioxane	6.61	88	31166	943.718	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	680434	256.514	ug/l	99
52) Toluene	7.64	92	178320	50.015	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	113906	48.624	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	123063	48.420	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	71947	51.050	ug/l	96
56) Ethyl methacrylate	8.02	69	130421	54.039	ug/l	95
57) 1,3-Dichloropropane	8.24	76	130763	49.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	337964	273.395	ug/l	99
59) 2-Hexanone	8.36	43	527242	250.771	ug/l	97
60) Dibromochloromethane	8.48	129	69930	50.680	ug/l	98
61) 1,2-Dibromoethane	8.58	107	77398	52.369	ug/l	99
64) Tetrachloroethene	8.22	164	60557	51.575	ug/l	97
65) Chlorobenzene	9.12	112	185873	49.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64909	54.190	ug/l	97
67) Ethyl Benzene	9.25	91	346147	50.199	ug/l	99
68) m/p-Xylenes	9.37	106	251171	100.104	ug/l	99
69) o-Xylene	9.78	106	124182	50.929	ug/l	99
70) Styrene	9.79	104	206484	51.170	ug/l	99
71) Bromoform	9.96	173	54536	53.521	ug/l #	99
73) Isopropylbenzene	10.16	105	328913	49.194	ug/l	100
74) N-amyl acetate	10.01	43	196216	50.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	131883	51.348	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	116530m	52.374	ug/l	
77) Bromobenzene	10.45	156	78463	50.178	ug/l	97
78) n-propylbenzene	10.58	91	400745	48.236	ug/l	100
79) 2-Chlorotoluene	10.66	91	236017	49.318	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	277696	50.176	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	40545m	44.858	ug/l	
82) 4-Chlorotoluene	10.77	91	270711	47.736	ug/l	100
83) tert-Butylbenzene	11.10	119	265153	49.705	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	283401	49.687	ug/l	99
85) sec-Butylbenzene	11.32	105	337681	49.274	ug/l	100
86) p-Isopropyltoluene	11.48	119	286737	49.255	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	140310	47.520	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	142441	46.628	ug/l	99
89) n-Butylbenzene	11.89	91	280999	47.695	ug/l	99
90) Hexachloroethane	12.14	117	43034	48.908	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	143877	48.714	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29351	52.785	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	96905	47.786	ug/l	100
94) Hexachlorobutadiene	13.69	225	44346	45.837	ug/l	97
95) Naphthalene	13.74	128	353267	49.846	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	101890	50.442	ug/l	99

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

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