

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028808.D
 Acq On : 19 Dec 2018 20:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:51 AM

Quant Time: Dec 20 06:47:52 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	112515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	188056	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89068	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	74653	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
35) Dibromofluoromethane	4.88	113	61903	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	7.56	98	241148	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	10.30	95	89365	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	69101	45.820	ug/l	100
3) Chloromethane	1.33	50	109975	39.664	ug/l	99
4) Vinyl Chloride	1.40	62	95757	47.857	ug/l	100
5) Bromomethane	1.61	94	45109	55.966	ug/l	99
6) Chloroethane	1.69	64	54684	48.275	ug/l	99
7) Trichlorofluoromethane	1.88	101	99647	47.334	ug/l	97
8) Diethyl Ether	2.10	74	47211	47.934	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62544	49.676	ug/l	97
10) Methyl Iodide	2.41	142	67450	68.275	ug/l	95
11) Tert butyl alcohol	2.83	59	85888	224.513	ug/l	99
12) 1,1-Dichloroethene	2.28	96	62915	50.223	ug/l	86
13) Acrolein	2.19	56	60248	197.556	ug/l	100
14) Allyl chloride	2.59	41	113619	38.339	ug/l #	95
15) Acrylonitrile	2.93	53	246055	231.671	ug/l	98
16) Acetone	2.32	43	184163	164.364	ug/l	90
17) Carbon Disulfide	2.48	76	210531	46.650	ug/l	99
18) Methyl Acetate	2.61	43	131429	45.250	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	224425	47.258	ug/l	97
20) Methylene Chloride	2.70	84	76066	46.053	ug/l	90
21) trans-1,2-Dichloroethene	2.98	96	71672	50.815	ug/l	90
22) Diisopropyl ether	3.57	45	247760	42.991	ug/l	95
23) Vinyl Acetate	3.52	43	1002617	210.917	ug/l #	95
24) 1,1-Dichloroethane	3.45	63	137857	45.698	ug/l	99
25) 2-Butanone	4.26	43	306811	200.371	ug/l	93
26) 2,2-Dichloropropane	4.22	77	102773	42.995	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	82729	51.821	ug/l	89
28) Bromochloromethane	4.55	49	57323	41.799	ug/l	85
29) Tetrahydrofuran	4.64	42	208171	211.684	ug/l	90
30) Chloroform	4.67	83	126710	48.192	ug/l	97
31) Cyclohexane	4.99	56	130293	44.118	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	103248	47.282	ug/l	97
36) 1,1-Dichloropropene	5.13	75	99745	48.470	ug/l	97
37) Ethyl Acetate	4.38	43	117148	44.037	ug/l	96
38) Carbon Tetrachloride	5.13	117	83210	50.167	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	120870	48.144	ug/l	93
40) Benzene	5.39	78	313937	51.797	ug/l	99
41) Methacrylonitrile	4.54	41	65250	44.788	ug/l	93
42) 1,2-Dichloroethane	5.40	62	98683	46.515	ug/l	97
43) Isopropyl Acetate	5.55	43	184410	43.827	ug/l #	95
44) Trichloroethene	6.19	130	78162	58.000	ug/l	91
45) 1,2-Dichloropropane	6.43	63	86373	50.677	ug/l	97
46) Dibromomethane	6.56	93	52440	51.856	ug/l	93
47) Bromodichloromethane	6.76	83	98116	49.860	ug/l	100
48) Methyl methacrylate	6.62	41	93046	44.467	ug/l	90
49) 1,4-Dioxane	6.61	88	36891	1116.568	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	591910	223.041	ug/l	94
52) Toluene	7.64	92	188863	52.948	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	114252	48.749	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	126382	49.704	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	76097	53.970	ug/l	98
56) Ethyl methacrylate	8.02	69	123011	50.946	ug/l	88
57) 1,3-Dichloropropane	8.24	76	132536	50.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	277462	224.351	ug/l	95
59) 2-Hexanone	8.36	43	450546	214.195	ug/l	92
60) Dibromochloromethane	8.48	129	72945	52.841	ug/l	99
61) 1,2-Dibromoethane	8.58	107	80954	54.750	ug/l	99
64) Tetrachloroethene	8.22	164	65078	55.257	ug/l	97
65) Chlorobenzene	9.12	112	199156	52.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	67082	55.833	ug/l	98
67) Ethyl Benzene	9.25	91	353942	51.173	ug/l	99
68) m/p-Xylenes	9.37	106	270254	107.382	ug/l	96
69) o-Xylene	9.78	106	133011	54.384	ug/l	94
70) Styrene	9.79	104	219644	54.265	ug/l	97
71) Bromoform	9.96	173	58395	57.133	ug/l #	100
73) Isopropylbenzene	10.16	105	342052	50.048	ug/l	99
74) N-amyl acetate	10.01	43	162629	41.252	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	133405	50.813	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	108485m	47.699	ug/l	
77) Bromobenzene	10.45	156	86059	53.840	ug/l	91
78) n-propylbenzene	10.58	91	416819	49.081	ug/l	98
79) 2-Chlorotoluene	10.66	91	245386	50.162	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	288769	51.043	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	47890m	51.752	ug/l	
82) 4-Chlorotoluene	10.77	91	280252	48.345	ug/l	96
83) tert-Butylbenzene	11.10	119	279697	51.293	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	294200	50.460	ug/l	96
85) sec-Butylbenzene	11.32	105	349550	49.898	ug/l	98
86) p-Isopropyltoluene	11.47	119	297319	49.963	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	156507	51.854	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	158395	50.724	ug/l	99
89) n-Butylbenzene	11.89	91	281388	46.723	ug/l	99
90) Hexachloroethane	12.14	117	46258	51.430	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	156372	51.795	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27396	48.198	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103795	50.031	ug/l	99
94) Hexachlorobutadiene	13.69	225	46721	47.243	ug/l	96
95) Naphthalene	13.74	128	352052	48.595	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	105009	50.855	ug/l	100

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

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