

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122218\
 Data File : VU028909.D
 Acq On : 22 Dec 2018 10:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 11:48:37 AM

Quant Time: Dec 24 05:03:19 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	108786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	176188	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	85397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	72239	43.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.02%	
35) Dibromofluoromethane	4.88	113	60483	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
50) Toluene-d8	7.56	98	232172	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	10.30	95	84655	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	69019	47.334	ug/l	99
3) Chloromethane	1.33	50	100520	37.497	ug/l	98
4) Vinyl Chloride	1.40	62	89162	46.088	ug/l	99
5) Bromomethane	1.60	94	51207	65.709	ug/l	97
6) Chloroethane	1.68	64	52946	48.343	ug/l	99
7) Trichlorofluoromethane	1.88	101	96926	47.620	ug/l	100
8) Diethyl Ether	2.10	74	46146	48.458	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.28	101	64937	53.344	ug/l	96
10) Methyl Iodide	2.40	142	58594	61.344	ug/l	94
11) Tert butyl alcohol	2.83	59	83563	225.923	ug/l	98
12) 1,1-Dichloroethene	2.28	96	62807	51.855	ug/l	87
13) Acrolein	2.19	56	58702	199.084	ug/l	99
14) Allyl chloride	2.59	41	122905	42.894	ug/l	92
15) Acrylonitrile	2.93	53	233082	226.979	ug/l	97
16) Acetone	2.32	43	251104	231.791	ug/l	91
17) Carbon Disulfide	2.47	76	204323	46.827	ug/l	100
18) Methyl Acetate	2.61	43	122116	43.485	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	215159	46.860	ug/l	99
20) Methylene Chloride	2.70	84	75872	47.510	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	67377	49.407	ug/l	93
22) Diisopropyl ether	3.57	45	236584	42.459	ug/l #	97
23) Vinyl Acetate	3.52	43	942908	205.155	ug/l #	95
24) 1,1-Dichloroethane	3.44	63	133434	45.748	ug/l	99
25) 2-Butanone	4.26	43	325323	219.744	ug/l	93
26) 2,2-Dichloropropane	4.22	77	107628	46.570	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	78252	50.697	ug/l	90
28) Bromochloromethane	4.55	49	57365	43.263	ug/l #	83
29) Tetrahydrofuran	4.63	42	196060	206.202	ug/l	90
30) Chloroform	4.67	83	124679	49.045	ug/l	96
31) Cyclohexane	4.99	56	127371	44.621	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	100448	47.576	ug/l	97
36) 1,1-Dichloropropene	5.13	75	97122	50.374	ug/l	96
37) Ethyl Acetate	4.38	43	109790	44.051	ug/l	95
38) Carbon Tetrachloride	5.13	117	80638	51.892	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	120501	51.231	ug/l	94
40) Benzene	5.39	78	305551	53.809	ug/l	98
41) Methacrylonitrile	4.54	41	60616	44.410	ug/l	93
42) 1,2-Dichloroethane	5.40	62	93664	47.123	ug/l	97
43) Isopropyl Acetate	5.55	43	172606	43.785	ug/l #	94
44) Trichloroethene	6.18	130	72311	57.272	ug/l	93
45) 1,2-Dichloropropane	6.43	63	82974	51.962	ug/l	97
46) Dibromomethane	6.56	93	50335	53.128	ug/l	93
47) Bromodichloromethane	6.75	83	95336	51.710	ug/l	100
48) Methyl methacrylate	6.62	41	86665	44.207	ug/l	89
49) 1,4-Dioxane	6.61	88	38866	1255.583	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	549603	221.049	ug/l	94
52) Toluene	7.64	92	182930	54.739	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112526	51.247	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	122615	51.470	ug/l #	90
55) 1,1,2-Trichloroethane	8.06	97	74678	56.531	ug/l	98
56) Ethyl methacrylate	8.02	69	115087	50.875	ug/l	88
57) 1,3-Dichloropropane	8.24	76	127184	51.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	270953	233.845	ug/l	94
59) 2-Hexanone	8.36	43	446309	226.473	ug/l	91
60) Dibromochloromethane	8.48	129	71033	54.922	ug/l	100
61) 1,2-Dibromoethane	8.58	107	77213	55.738	ug/l	97
64) Tetrachloroethene	8.22	164	63465	57.458	ug/l	97
65) Chlorobenzene	9.12	112	195942	55.529	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	65392	58.033	ug/l	100
67) Ethyl Benzene	9.25	91	340265	52.455	ug/l	98
68) m/p-Xylenes	9.37	106	266049	112.715	ug/l	95
69) o-Xylene	9.78	106	126312	55.067	ug/l	96
70) Styrene	9.79	104	213866	56.339	ug/l	96
71) Bromoform	9.96	173	56419	58.858	ug/l #	100
73) Isopropylbenzene	10.17	105	335710	51.231	ug/l	99
74) N-amyl acetate	10.01	43	152474	40.339	ug/l	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	131628	52.291	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	118741m	54.453	ug/l	
77) Bromobenzene	10.45	156	84374	55.055	ug/l	90
78) n-propylbenzene	10.59	91	408982	50.228	ug/l	99
79) 2-Chlorotoluene	10.66	91	239696	51.105	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	282343	52.052	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	40138m	45.306	ug/l	
82) 4-Chlorotoluene	10.77	91	272992	49.117	ug/l	95
83) tert-Butylbenzene	11.10	119	272306	52.084	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	290483	51.964	ug/l	97
85) sec-Butylbenzene	11.32	105	343805	51.188	ug/l	98
86) p-Isopropyltoluene	11.48	119	296365	51.944	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	155575	53.761	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	155669	51.994	ug/l	98
89) n-Butylbenzene	11.89	91	280527	48.583	ug/l	98
90) Hexachloroethane	12.14	117	45515	52.779	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	156170	53.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25554	46.890	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103644	52.071	ug/l	98
94) Hexachlorobutadiene	13.69	225	47755	50.364	ug/l	98
95) Naphthalene	13.74	128	339084	48.817	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	104740	52.900	ug/l	99

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

