

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028575.D
 Acq On : 11 Dec 2018 01:14
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:01 PM

Quant Time: Dec 11 04:35:53 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	83499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	147631	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	66375	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	4.88	113	47421	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	7.57	98	189651	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	10.30	95	68606	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	55860	49.911	ug/l	99
3) Chloromethane	1.33	50	100058	48.628	ug/l	98
4) Vinyl Chloride	1.40	62	74256	50.007	ug/l	100
5) Bromomethane	1.61	94	30774	51.448	ug/l	99
6) Chloroethane	1.68	64	42457	50.505	ug/l	98
7) Trichlorofluoromethane	1.88	101	79346	50.789	ug/l	99
8) Diethyl Ether	2.10	74	34948	47.813	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	46884	50.178	ug/l	97
10) Methyl Iodide	2.41	142	42479	57.941	ug/l	100
11) Tert butyl alcohol	2.83	59	86613	305.085	ug/l	100
12) 1,1-Dichloroethene	2.28	96	46806	50.347	ug/l	98
13) Acrolein	2.19	56	56153	248.113	ug/l	100
14) Allyl chloride	2.59	41	107980	49.098	ug/l	99
15) Acrylonitrile	2.94	53	221308	280.780	ug/l	100
16) Acetone	2.32	43	182093	218.992	ug/l	97
17) Carbon Disulfide	2.48	76	160790	48.010	ug/l	100
18) Methyl Acetate	2.61	43	124417	57.721	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	182846	51.882	ug/l	100
20) Methylene Chloride	2.70	84	59401	48.460	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	50942	48.668	ug/l	98
22) Diisopropyl ether	3.57	45	230454	53.884	ug/l	98
23) Vinyl Acetate	3.52	43	948568	268.889	ug/l	99
24) 1,1-Dichloroethane	3.44	63	114461	51.127	ug/l	99
25) 2-Butanone	4.26	43	305144	268.533	ug/l	99
26) 2,2-Dichloropropane	4.22	77	77157	43.496	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	58358	49.258	ug/l	98
28) Bromochloromethane	4.55	49	58887	57.861	ug/l	95
29) Tetrahydrofuran	4.64	42	210549	288.503	ug/l	98
30) Chloroform	4.67	83	100051	51.276	ug/l	95
31) Cyclohexane	4.99	56	113266	51.890	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	83712	51.657	ug/l	98
36) 1,1-Dichloropropene	5.13	75	79372	49.131	ug/l	98
37) Ethyl Acetate	4.38	43	113213	54.211	ug/l	100
38) Carbon Tetrachloride	5.13	117	66683	51.212	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	94003	47.696	ug/l	97
40) Benzene	5.39	78	241015	50.654	ug/l	99
41) Methacrylonitrile	4.54	41	64606	56.489	ug/l	97
42) 1,2-Dichloroethane	5.40	62	85382	51.266	ug/l	98
43) Isopropyl Acetate	5.55	43	182526	55.258	ug/l	99
44) Trichloroethene	6.19	130	53495	50.565	ug/l	98
45) 1,2-Dichloropropane	6.43	63	71610	53.520	ug/l	100
46) Dibromomethane	6.56	93	40855	51.463	ug/l	98
47) Bromodichloromethane	6.76	83	79915	51.731	ug/l	100
48) Methyl methacrylate	6.62	41	91133	55.478	ug/l	98
49) 1,4-Dioxane	6.61	88	33726	1300.287	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	582382	279.541	ug/l	98
52) Toluene	7.64	92	141521	50.540	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	91539	49.753	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	98170	49.180	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	57699	52.127	ug/l	96
56) Ethyl methacrylate	8.02	69	100337	52.934	ug/l	97
57) 1,3-Dichloropropane	8.24	76	104437	50.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	247475	254.897	ug/l	99
59) 2-Hexanone	8.36	43	450303	272.700	ug/l	99
60) Dibromochloromethane	8.48	129	55646	51.347	ug/l	99
61) 1,2-Dibromoethane	8.58	107	60289	51.939	ug/l	100
64) Tetrachloroethene	8.22	164	47645	51.279	ug/l	97
65) Chlorobenzene	9.12	112	145312	48.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48969	51.663	ug/l	99
67) Ethyl Benzene	9.25	91	267558	49.034	ug/l	100
68) m/p-Xylenes	9.37	106	197728	99.587	ug/l	98
69) o-Xylene	9.78	106	95721	49.609	ug/l	98
70) Styrene	9.79	104	160216	50.175	ug/l	100
71) Bromoform	9.95	173	42228	52.371	ug/l #	98
73) Isopropylbenzene	10.16	105	255527	49.108	ug/l	100
74) N-amyl acetate	10.01	43	158323	52.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	106157	53.109	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	94601m	54.633	ug/l	
77) Bromobenzene	10.45	156	60167	49.441	ug/l	98
78) n-propylbenzene	10.58	91	317589	49.119	ug/l	99
79) 2-Chlorotoluene	10.66	91	187894	50.450	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	217944	50.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	37649m	53.422	ug/l	
82) 4-Chlorotoluene	10.77	91	214588	48.621	ug/l	99
83) tert-Butylbenzene	11.10	119	205672	49.541	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	224171	50.501	ug/l	100
85) sec-Butylbenzene	11.32	105	262722	49.260	ug/l	99
86) p-Isopropyltoluene	11.48	119	220880	48.754	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	110275	47.990	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	112620	47.370	ug/l	100
89) n-Butylbenzene	11.89	91	216018	47.113	ug/l	100
90) Hexachloroethane	12.14	117	32664	47.700	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	111572	48.540	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24042	55.557	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	71777	45.521	ug/l	99
94) Hexachlorobutadiene	13.69	225	33081	43.937	ug/l	96
95) Naphthalene	13.74	128	252827	45.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	73585	46.820	ug/l	98

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

