

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121518\
 Data File : VU028707.D
 Acq On : 15 Dec 2018 00:54
 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
 12/17/2018 9:49:03 AM

Quant Time: Dec 15 02:51:00 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	73347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	126830	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	121429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	60177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	60890	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
35) Dibromofluoromethane	4.88	113	44186	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
50) Toluene-d8	7.57	98	171431	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
62) 4-Bromofluorobenzene	10.30	95	64074	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	46890	47.695	ug/l	98
3) Chloromethane	1.33	50	79816	44.160	ug/l	98
4) Vinyl Chloride	1.40	62	62595	47.989	ug/l	98
5) Bromomethane	1.60	94	30468	57.987	ug/l	97
6) Chloroethane	1.68	64	36185	49.002	ug/l	99
7) Trichlorofluoromethane	1.88	101	69216	50.437	ug/l	99
8) Diethyl Ether	2.10	74	30529	47.549	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	40575	49.436	ug/l	98
10) Methyl Iodide	2.41	142	42001	65.218	ug/l	98
11) Tert butyl alcohol	2.83	59	67102	269.075	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40463	49.549	ug/l	98
13) Acrolein	2.19	56	49947	251.237	ug/l	99
14) Allyl chloride	2.59	41	104172	53.922	ug/l	92
15) Acrylonitrile	2.94	53	190846	275.646	ug/l	99
16) Acetone	2.32	43	152234	208.423	ug/l	100
17) Carbon Disulfide	2.47	76	134998	45.888	ug/l	100
18) Methyl Acetate	2.61	43	115414	60.956	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	158092	51.067	ug/l	98
20) Methylene Chloride	2.70	84	50692	47.079	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	43959	47.810	ug/l	95
22) Diisopropyl ether	3.57	45	201275	53.575	ug/l	98
23) Vinyl Acetate	3.52	43	827925	267.174	ug/l	99
24) 1,1-Dichloroethane	3.44	63	99194	50.440	ug/l	99
25) 2-Butanone	4.26	43	258973	259.446	ug/l	98
26) 2,2-Dichloropropane	4.22	77	66681	42.793	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	51615	49.597	ug/l	99
28) Bromochloromethane	4.55	49	51583	57.699	ug/l	95
29) Tetrahydrofuran	4.64	42	179851	280.549	ug/l	97
30) Chloroform	4.67	83	90289	52.678	ug/l	93
31) Cyclohexane	4.99	56	93441	48.658	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	72951	51.247	ug/l	98
36) 1,1-Dichloropropene	5.13	75	67724	48.797	ug/l	99
37) Ethyl Acetate	4.38	43	96236	53.640	ug/l	99
38) Carbon Tetrachloride	5.13	117	59954	53.596	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	79251	46.806	ug/l	99
40) Benzene	5.39	78	210168	51.416	ug/l	98
41) Methacrylonitrile	4.54	41	56544	57.549	ug/l	96
42) 1,2-Dichloroethane	5.40	62	75450	52.732	ug/l	99
43) Isopropyl Acetate	5.55	43	157581	55.530	ug/l	98
44) Trichloroethene	6.18	130	46059	50.677	ug/l	97
45) 1,2-Dichloropropane	6.43	63	62605	54.464	ug/l	96
46) Dibromomethane	6.56	93	36309	53.238	ug/l	98
47) Bromodichloromethane	6.76	83	70135	52.846	ug/l	99
48) Methyl methacrylate	6.62	41	77654	55.026	ug/l	98
49) 1,4-Dioxane	6.61	88	25206	1131.186	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	508530	284.125	ug/l	98
52) Toluene	7.64	92	123053	51.152	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	81215	51.382	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	86666	50.538	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	50781	53.401	ug/l	95
56) Ethyl methacrylate	8.02	69	88181	54.151	ug/l	99
57) 1,3-Dichloropropane	8.24	76	92555	52.433	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	232899	279.226	ug/l	98
59) 2-Hexanone	8.36	43	392231	276.489	ug/l	100
60) Dibromochloromethane	8.48	129	49474	53.139	ug/l	99
61) 1,2-Dibromoethane	8.58	107	53831	53.982	ug/l	99
64) Tetrachloroethene	8.23	164	39675	48.984	ug/l	97
65) Chlorobenzene	9.12	112	128250	49.565	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	44863	54.295	ug/l	98
67) Ethyl Benzene	9.25	91	236455	49.710	ug/l	99
68) m/p-Xylenes	9.37	106	174467	100.799	ug/l	98
69) o-Xylene	9.78	106	83973	49.924	ug/l	96
70) Styrene	9.79	104	141063	50.676	ug/l	100
71) Bromoform	9.96	173	38586	54.894	ug/l #	100
73) Isopropylbenzene	10.16	105	226246	48.996	ug/l	100
74) N-amyl acetate	10.01	43	142573	53.527	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	95783	53.998	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	86957m	56.589	ug/l	
77) Bromobenzene	10.45	156	52756	48.851	ug/l	96
78) n-propylbenzene	10.58	91	280255	48.844	ug/l	100
79) 2-Chlorotoluene	10.66	91	166139	50.267	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	192588	50.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	32966m	52.718	ug/l	
82) 4-Chlorotoluene	10.77	91	192331	49.107	ug/l	99
83) tert-Butylbenzene	11.10	119	179008	48.588	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	196026	49.763	ug/l	99
85) sec-Butylbenzene	11.32	105	231651	48.944	ug/l	100
86) p-Isopropyltoluene	11.48	119	193671	48.171	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	98735	48.418	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	99365	47.097	ug/l	99
89) n-Butylbenzene	11.89	91	191545	47.075	ug/l	99
90) Hexachloroethane	12.14	117	31995	52.650	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	99896	48.974	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	20861	54.322	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	64882	46.352	ug/l	99
94) Hexachlorobutadiene	13.69	225	30645	45.865	ug/l	98
95) Naphthalene	13.74	128	230664	47.125	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	66309	47.540	ug/l	99

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

