

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121518\
 Data File : VU028680.D
 Acq On : 14 Dec 2018 13:49
 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
 12/17/2018 9:48:34 AM

Quant Time: Dec 15 00:29:54 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	76841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	126691	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	121140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	61495	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	4.88	113	45250	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
50) Toluene-d8	7.56	98	174646	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
62) 4-Bromofluorobenzene	10.30	95	66342	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48323	46.918	ug/l	96
3) Chloromethane	1.33	50	80653	42.594	ug/l	99
4) Vinyl Chloride	1.40	62	63082	46.163	ug/l	100
5) Bromomethane	1.61	94	26055	47.333	ug/l	99
6) Chloroethane	1.68	64	36451	47.118	ug/l	99
7) Trichlorofluoromethane	1.88	101	69847	48.582	ug/l	97
8) Diethyl Ether	2.10	74	30830	45.834	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	41506	48.271	ug/l	99
10) Methyl Iodide	2.41	142	42493	62.982	ug/l	99
11) Tert butyl alcohol	2.83	59	65250	249.751	ug/l	99
12) 1,1-Dichloroethene	2.28	96	38885	45.451	ug/l	96
13) Acrolein	2.19	56	57418	275.685	ug/l	97
14) Allyl chloride	2.59	41	93855	46.373	ug/l	99
15) Acrylonitrile	2.93	53	186093	256.559	ug/l	99
16) Acetone	2.32	43	191677	250.491	ug/l	99
17) Carbon Disulfide	2.48	76	136676	44.345	ug/l	100
18) Methyl Acetate	2.61	43	109998	55.454	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	156891	48.375	ug/l	98
20) Methylene Chloride	2.70	84	51072	45.276	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	45502	47.238	ug/l	98
22) Diisopropyl ether	3.57	45	198299	50.383	ug/l	99
23) Vinyl Acetate	3.52	43	823753	253.741	ug/l	99
24) 1,1-Dichloroethane	3.44	63	100254	48.661	ug/l	99
25) 2-Butanone	4.26	43	274384	262.386	ug/l	99
26) 2,2-Dichloropropane	4.22	77	79251	48.547	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	52505	48.158	ug/l	99
28) Bromochloromethane	4.55	49	50162	53.558	ug/l	97
29) Tetrahydrofuran	4.64	42	173969	259.034	ug/l	99
30) Chloroform	4.67	83	91138	50.755	ug/l	93
31) Cyclohexane	4.99	56	95588	47.484	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	74709	50.096	ug/l	99
36) 1,1-Dichloropropene	5.13	75	70514	50.863	ug/l	99
37) Ethyl Acetate	4.38	43	97127	54.196	ug/l	98
38) Carbon Tetrachloride	5.13	117	60487	54.132	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	82365	48.698	ug/l	99
40) Benzene	5.39	78	212315	51.998	ug/l	97
41) Methacrylonitrile	4.54	41	54472	55.501	ug/l	99
42) 1,2-Dichloroethane	5.40	62	75485	52.814	ug/l	99
43) Isopropyl Acetate	5.55	43	153295	54.079	ug/l	98
44) Trichloroethene	6.18	130	47204	51.994	ug/l	96
45) 1,2-Dichloropropane	6.43	63	62677	54.587	ug/l	99
46) Dibromomethane	6.56	93	36499	53.575	ug/l	99
47) Bromodichloromethane	6.75	83	72105	54.390	ug/l	98
48) Methyl methacrylate	6.62	41	77603	55.050	ug/l	99
49) 1,4-Dioxane	6.61	88	25020	1124.070	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	494209	276.427	ug/l	99
52) Toluene	7.64	92	125516	52.233	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	85170	53.943	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	90397	52.771	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	52598	55.373	ug/l	98
56) Ethyl methacrylate	8.02	69	85566	52.603	ug/l	98
57) 1,3-Dichloropropane	8.24	76	92967	52.724	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	234055	280.920	ug/l	100
59) 2-Hexanone	8.36	43	386803	272.962	ug/l	100
60) Dibromochloromethane	8.48	129	50918	54.750	ug/l	99
61) 1,2-Dibromoethane	8.58	107	54031	54.242	ug/l	99
64) Tetrachloroethene	8.22	164	40089	49.613	ug/l	98
65) Chlorobenzene	9.12	112	131068	50.774	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	45438	55.122	ug/l	99
67) Ethyl Benzene	9.25	91	241919	50.980	ug/l	100
68) m/p-Xylenes	9.37	106	178997	103.663	ug/l	99
69) o-Xylene	9.78	106	86128	51.327	ug/l	100
70) Styrene	9.79	104	143822	51.790	ug/l	99
71) Bromoform	9.96	173	39894	56.891	ug/l #	100
73) Isopropylbenzene	10.16	105	231160	49.292	ug/l	100
74) N-amyl acetate	10.01	43	137676	50.895	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	94205	52.293	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	82522m	52.879	ug/l	
77) Bromobenzene	10.45	156	54668	49.844	ug/l	98
78) n-propylbenzene	10.59	91	290456	49.845	ug/l	100
79) 2-Chlorotoluene	10.66	91	169182	50.402	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	196992	50.746	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	31021m	48.885	ug/l	
82) 4-Chlorotoluene	10.77	91	195970	49.268	ug/l	100
83) tert-Butylbenzene	11.10	119	187615	50.143	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	202236	50.551	ug/l	99
85) sec-Butylbenzene	11.32	105	241058	50.150	ug/l	100
86) p-Isopropyltoluene	11.48	119	202162	49.511	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	101752	49.132	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	104867	48.942	ug/l	99
89) n-Butylbenzene	11.89	91	206855	50.057	ug/l	99
90) Hexachloroethane	12.14	117	34218	55.444	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	103991	50.199	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20845	53.447	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	69170	48.615	ug/l	99
94) Hexachlorobutadiene	13.69	225	33613	49.534	ug/l	98
95) Naphthalene	13.74	128	235964	47.468	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69866	49.316	ug/l	99

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

