

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027255.D
 Acq On : 28 Sep 2018 08:43
 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
 10/2/2018 1:07:29 PM

Quant Time: Sep 28 16:30:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	86084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	141945	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	75734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75274	43.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.90%	
35) Dibromofluoromethane	4.88	113	54983	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
50) Toluene-d8	7.57	98	203195	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	
62) 4-Bromofluorobenzene	10.31	95	76213	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	57411	51.080	ug/l	97
3) Chloromethane	1.33	50	87936	45.379	ug/l	100
4) Vinyl Chloride	1.40	62	85163	47.082	ug/l	100
5) Bromomethane	1.61	94	59962	58.212	ug/l	97
6) Chloroethane	1.69	64	53544	46.329	ug/l	99
7) Trichlorofluoromethane	1.88	101	94552	46.024	ug/l	100
8) Diethyl Ether	2.10	74	44172	44.670	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.28	101	55465	43.909	ug/l	98
10) Methyl Iodide	2.41	142	39357	25.122	ug/l	99
11) Tert butyl alcohol	2.83	59	87473	220.268	ug/l	99
12) 1,1-Dichloroethene	2.28	96	53271	44.805	ug/l	99
13) Acrolein	2.19	56	59091	276.030	ug/l	100
14) Allyl chloride	2.59	41	129360	53.644	ug/l	97
15) Acrylonitrile	2.93	53	242015	241.798	ug/l	99
16) Acetone	2.32	43	263751	289.183	ug/l	97
17) Carbon Disulfide	2.47	76	186003	48.023	ug/l	100
18) Methyl Acetate	2.61	43	130561	52.944	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	221069	50.598	ug/l	99
20) Methylene Chloride	2.70	84	69398	44.725	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	60836	47.925	ug/l	99
22) Diisopropyl ether	3.57	45	273247	52.976	ug/l	97
23) Vinyl Acetate	3.52	43	1169781	266.057	ug/l	99
24) 1,1-Dichloroethane	3.44	63	137244	48.312	ug/l	99
25) 2-Butanone	4.26	43	366935	252.009	ug/l	100
26) 2,2-Dichloropropane	4.23	77	111066	50.132	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	69068	48.179	ug/l	95
28) Bromochloromethane	4.55	49	65772	48.030	ug/l	95
29) Tetrahydrofuran	4.64	42	226289	256.911	ug/l	96
30) Chloroform	4.67	83	122869	46.596	ug/l	98
31) Cyclohexane	5.00	56	131881	51.083	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	102137	48.512	ug/l	99
36) 1,1-Dichloropropene	5.13	75	95679	50.506	ug/l	98
37) Ethyl Acetate	4.38	43	127099	49.560	ug/l	99
38) Carbon Tetrachloride	5.13	117	86678	48.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	112977	54.878	ug/l	99
40) Benzene	5.39	78	282564	49.065	ug/l	100
41) Methacrylonitrile	4.54	41	73111	54.893	ug/l	96
42) 1,2-Dichloroethane	5.40	62	105592	48.529	ug/l	100
43) Isopropyl Acetate	5.55	43	200611	53.638	ug/l	97
44) Trichloroethene	6.19	130	60343	49.218	ug/l	99
45) 1,2-Dichloropropane	6.43	63	83707	51.012	ug/l	98
46) Dibromomethane	6.56	93	47732	48.163	ug/l	98
47) Bromodichloromethane	6.76	83	96842	48.326	ug/l	98
48) Methyl methacrylate	6.62	41	101127	49.685	ug/l	97
49) 1,4-Dioxane	6.61	88	34535	854.001	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	660479	262.572	ug/l	100
52) Toluene	7.64	92	168530	51.053	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	114657	53.253	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	123257	52.065	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	67502	48.259	ug/l	100
56) Ethyl methacrylate	8.02	69	116531	48.102	ug/l	97
57) 1,3-Dichloropropane	8.24	76	130202	50.048	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.13	63	297947	216.975	ug/l	100
59) 2-Hexanone	8.36	43	520222	264.203	ug/l	100
60) Dibromochloromethane	8.48	129	67900	49.489	ug/l	100
61) 1,2-Dibromoethane	8.59	107	70730	48.600	ug/l	99
64) Tetrachloroethene	8.23	164	51033	48.374	ug/l	97
65) Chlorobenzene	9.12	112	173303	47.741	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	61890	49.499	ug/l	99
67) Ethyl Benzene	9.25	91	317284	53.153	ug/l	99
68) m/p-Xylenes	9.38	106	237779	98.383	ug/l	98
69) o-Xylene	9.78	106	113291	53.566	ug/l	98
70) Styrene	9.79	104	189120	47.966	ug/l	99
71) Bromoform	9.96	173	49146	50.829	ug/l #	99
73) Isopropylbenzene	10.17	105	309944	53.800	ug/l	99
74) N-amyl acetate	10.02	43	179962	53.966	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	118098	44.586	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	108315m	47.078	ug/l	
77) Bromobenzene	10.45	156	68137	48.399	ug/l	94
78) n-propylbenzene	10.59	91	377581	55.391	ug/l	99
79) 2-Chlorotoluene	10.66	91	220481	51.494	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	259458	54.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	32501m	45.206	ug/l	
82) 4-Chlorotoluene	10.77	91	256008	53.324	ug/l	99
83) tert-Butylbenzene	11.10	119	245620	52.241	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	266855	55.139	ug/l	99
85) sec-Butylbenzene	11.32	105	314926	54.872	ug/l	100
86) p-Isopropyltoluene	11.48	119	270826	50.284	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	129185	49.312	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	130826	45.820	ug/l	100
89) n-Butylbenzene	11.89	91	250192	48.025	ug/l	100
90) Hexachloroethane	12.15	117	49825	47.740	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	129614	46.576	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26150	48.394	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	82035	51.155	ug/l	98
94) Hexachlorobutadiene	13.69	225	41992	49.489	ug/l	99
95) Naphthalene	13.74	128	288569	46.158	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	87686	50.988	ug/l	98

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

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