

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029193.D
 Acq On : 15 Jan 2019 18:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:42:16 AM

Quant Time: Jan 16 06:53:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	174685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	70036	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	4.88	113	59578	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	7.56	98	230121	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	10.30	95	81807	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29692	27.977	ug/l	96
3) Chloromethane	1.33	50	45750	26.683	ug/l	100
4) Vinyl Chloride	1.40	62	47071	30.097	ug/l	99
5) Bromomethane	1.61	94	25736	30.843	ug/l	100
6) Chloroethane	1.69	64	27824	29.868	ug/l	100
7) Trichlorofluoromethane	1.88	101	52090	30.565	ug/l	97
8) Diethyl Ether	2.10	74	25237	30.824	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	33208	29.122	ug/l	98
10) Methyl Iodide	2.40	142	34519	32.195	ug/l	98
11) Tert butyl alcohol	2.83	59	59110	175.782	ug/l	98
12) 1,1-Dichloroethene	2.28	96	31623	28.492	ug/l	97
13) Acrolein	2.19	56	64535	255.582	ug/l	100
14) Allyl chloride	2.59	41	60042	29.483	ug/l	92
15) Acrylonitrile	2.93	53	142637	172.897	ug/l	100
16) Acetone	2.32	43	119615	143.528	ug/l	100
17) Carbon Disulfide	2.47	76	99523	26.820	ug/l	99
18) Methyl Acetate	2.61	43	73131	37.740	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	124305	31.856	ug/l	100
20) Methylene Chloride	2.70	84	42927	30.338	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	37514	29.092	ug/l	94
22) Diisopropyl ether	3.57	45	133631	33.201	ug/l	97
23) Vinyl Acetate	3.52	43	543144	165.072	ug/l	99
24) 1,1-Dichloroethane	3.44	63	75682	32.573	ug/l	100
25) 2-Butanone	4.26	43	192101	170.663	ug/l	99
26) 2,2-Dichloropropane	4.22	77	57967	30.876	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	44783	31.753	ug/l	100
28) Bromochloromethane	4.54	49	52398	52.667	ug/l	100
29) Tetrahydrofuran	4.64	42	122493	179.423	ug/l	97
30) Chloroform	4.67	83	73034	33.002	ug/l	98
31) Cyclohexane	4.99	56	65718	29.503	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	58250	31.855	ug/l	98
36) 1,1-Dichloropropene	5.13	75	53280	30.514	ug/l	97
37) Ethyl Acetate	4.38	43	66086	34.481	ug/l	99
38) Carbon Tetrachloride	5.13	117	46787	32.127	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	62706	29.212	ug/l	98
40) Benzene	5.39	78	171037	31.404	ug/l	100
41) Methacrylonitrile	4.54	41	37011	36.076	ug/l	98
42) 1,2-Dichloroethane	5.40	62	54746	33.451	ug/l	99
43) Isopropyl Acetate	5.55	43	101504	34.525	ug/l	99
44) Trichloroethene	6.18	130	40369	29.915	ug/l	99
45) 1,2-Dichloropropane	6.43	63	47233	32.840	ug/l	99
46) Dibromomethane	6.56	93	29955	32.580	ug/l	99
47) Bromodichloromethane	6.76	83	56348	33.286	ug/l	98
48) Methyl methacrylate	6.62	41	51234	35.789	ug/l	99
49) 1,4-Dioxane	6.61	88	25188	742.439	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	356654	178.251	ug/l	99
52) Toluene	7.63	92	103511	31.219	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	65076	32.001	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	69955	31.836	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	44564	33.550	ug/l	98
56) Ethyl methacrylate	8.02	69	66167	32.334	ug/l	96
57) 1,3-Dichloropropane	8.24	76	74010	32.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	249176	276.875	ug/l	99
59) 2-Hexanone	8.36	43	276055	175.764	ug/l	99
60) Dibromochloromethane	8.48	129	42902	32.601	ug/l	97
61) 1,2-Dibromoethane	8.58	107	46533	32.301	ug/l	99
64) Tetrachloroethene	8.22	164	35313	29.696	ug/l	99
65) Chlorobenzene	9.12	112	112730	30.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	38493	32.055	ug/l	99
67) Ethyl Benzene	9.25	91	195439	31.636	ug/l	99
68) m/p-Xylenes	9.37	106	150214	62.579	ug/l	98
69) o-Xylene	9.78	106	74091	32.034	ug/l	99
70) Styrene	9.79	104	121325	31.999	ug/l	99
71) Bromoform	9.95	173	34552	32.315	ug/l #	99
73) Isopropylbenzene	10.16	105	188826	30.911	ug/l	99
74) N-amyl acetate	10.01	43	87716	33.322	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.45	83	79068	32.295	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	67125m	33.195	ug/l	
77) Bromobenzene	10.45	156	49078	30.829	ug/l	99
78) n-propylbenzene	10.58	91	227871	31.653	ug/l	99
79) 2-Chlorotoluene	10.66	91	136118	31.169	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	162226	31.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	21160m	26.988	ug/l	
82) 4-Chlorotoluene	10.77	91	152424	30.439	ug/l	100
83) tert-Butylbenzene	11.10	119	155707	30.968	ug/l	100
84) 1,2,4-Trimethylbenzene	11.14	105	172576	33.884	ug/l	99
85) sec-Butylbenzene	11.32	105	193358	31.798	ug/l	100
86) p-Isopropyltoluene	11.47	119	165681	31.975	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	88110	30.175	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	88378	29.322	ug/l	99
89) n-Butylbenzene	11.89	91	151432	32.744	ug/l	99
90) Hexachloroethane	12.14	117	27589	31.650	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	89329	30.373	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.65	75	15955	33.882	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	57151	30.441	ug/l	99
94) Hexachlorobutadiene	13.69	225	28190	32.828	ug/l	99
95) Naphthalene	13.74	128	194143	30.398	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	59050	30.854	ug/l	99

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

