

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028354.D
 Acq On : 28 Nov 2018 09:59
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:22:49 PM

Quant Time: Nov 29 00:48:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 00:29:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	217232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	381167	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	350472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	155567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	69478	19.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.28%	
35) Dibromofluoromethane	4.88	113	49818	19.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.32%	
50) Toluene-d8	7.56	98	196174	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	
62) 4-Bromofluorobenzene	10.30	95	67028	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	56058	19.237	ug/l	97
3) Chloromethane	1.33	50	104652	18.527	ug/l	98
4) Vinyl Chloride	1.40	62	73855	18.688	ug/l	99
5) Bromomethane	1.61	94	25045	16.385	ug/l	99
6) Chloroethane	1.69	64	43024	18.919	ug/l	97
7) Trichlorofluoromethane	1.88	101	78229	19.057	ug/l	99
8) Diethyl Ether	2.10	74	35696	18.705	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	44186	18.477	ug/l	97
10) Methyl Iodide	2.41	142	42654	18.915	ug/l	100
11) Tert butyl alcohol	2.83	59	77356	93.790	ug/l	100
12) 1,1-Dichloroethene	2.28	96	43630	18.800	ug/l	97
13) Acrolein	2.19	56	71271	97.199	ug/l	100
14) Allyl chloride	2.59	41	114847	18.941	ug/l	100
15) Acrylonitrile	2.94	53	211438	96.914	ug/l	100
16) Acetone	2.32	43	216164	97.333	ug/l	99
17) Carbon Disulfide	2.48	76	161978	18.184	ug/l	99
18) Methyl Acetate	2.61	43	115451	18.671	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	179058	18.820	ug/l	98
20) Methylene Chloride	2.70	84	60633	17.647	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	50216	18.658	ug/l	97
22) Diisopropyl ether	3.57	45	229450	19.232	ug/l	96
23) Vinyl Acetate	3.52	43	956459	96.393	ug/l	99
24) 1,1-Dichloroethane	3.44	63	114811	19.507	ug/l	98
25) 2-Butanone	4.26	43	306013	96.144	ug/l	100
26) 2,2-Dichloropropane	4.22	77	88709	18.979	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	58651	18.426	ug/l	98
28) Bromochloromethane	4.55	49	58347	19.827	ug/l	99
29) Tetrahydrofuran	4.64	42	203739	98.591	ug/l	100
30) Chloroform	4.67	83	101669	18.715	ug/l	98
31) Cyclohexane	4.99	56	116169	16.629	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	83672	19.195	ug/l	99
36) 1,1-Dichloropropene	5.14	75	76073	18.238	ug/l	99
37) Ethyl Acetate	4.38	43	115577	20.333	ug/l	100
38) Carbon Tetrachloride	5.13	117	65216	19.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	92351	18.779	ug/l	99
40) Benzene	5.39	78	242923	19.664	ug/l	99
41) Methacrylonitrile	4.54	41	62700	19.863	ug/l	97
42) 1,2-Dichloroethane	5.40	62	84374	18.959	ug/l	98
43) Isopropyl Acetate	5.55	43	174842	19.411	ug/l	98
44) Trichloroethene	6.19	130	49658	18.753	ug/l	99
45) 1,2-Dichloropropane	6.43	63	71964	19.892	ug/l	93
46) Dibromomethane	6.56	93	40774	19.622	ug/l	97
47) Bromodichloromethane	6.76	83	78710	19.043	ug/l	96
48) Methyl methacrylate	6.62	41	87848	18.723	ug/l	99
49) 1,4-Dioxane	6.61	88	28745	383.492	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	554158	96.326	ug/l	100
52) Toluene	7.64	92	137687	19.355	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	94002	19.020	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	97678	18.448	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	56254	19.000	ug/l	98
56) Ethyl methacrylate	8.02	69	94336	18.729	ug/l	97
57) 1,3-Dichloropropane	8.24	76	103228	19.013	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	264077	97.655	ug/l	100
59) 2-Hexanone	8.36	43	428016	96.049	ug/l	100
60) Dibromochloromethane	8.48	129	54286	19.279	ug/l	98
61) 1,2-Dibromoethane	8.58	107	59022	19.464	ug/l	98
64) Tetrachloroethene	8.22	164	43628	18.924	ug/l	97
65) Chlorobenzene	9.12	112	140406	19.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	47470	19.030	ug/l	99
67) Ethyl Benzene	9.25	91	259589	18.939	ug/l	99
68) m/p-Xylenes	9.37	106	182114	36.915	ug/l	96
69) o-Xylene	9.78	106	92380	18.837	ug/l	99
70) Styrene	9.79	104	149237	18.868	ug/l	99
71) Bromoform	9.96	173	39479	18.829	ug/l #	98
73) Isopropylbenzene	10.16	105	242863	20.073	ug/l	100
74) N-amyl acetate	10.01	43	150431	19.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	99108	19.919	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	89185m	20.939	ug/l	
77) Bromobenzene	10.45	156	56394	19.781	ug/l	98
78) n-propylbenzene	10.58	91	296828	19.887	ug/l	100
79) 2-Chlorotoluene	10.66	91	179992	20.456	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	203032	19.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31123m	15.021	ug/l	
82) 4-Chlorotoluene	10.77	91	200800	19.807	ug/l	98
83) tert-Butylbenzene	11.10	119	190278	20.019	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	206777	20.022	ug/l	99
85) sec-Butylbenzene	11.32	105	245809	19.911	ug/l	100
86) p-Isopropyltoluene	11.48	119	199600	19.663	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	99227	19.083	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	99441	19.002	ug/l	97
89) n-Butylbenzene	11.89	91	187129	18.679	ug/l	99
90) Hexachloroethane	12.14	117	31626	19.956	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	99964	19.269	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22296	20.146	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	62245	18.330	ug/l	98
94) Hexachlorobutadiene	13.69	225	29221	18.223	ug/l	94
95) Naphthalene	13.74	128	225247	19.505	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	64757	18.855	ug/l	99

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

