

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024500.D
 Acq On : 13 Jun 2018 11:56
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:22 AM

Quant Time: Jun 13 13:11:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303052	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	16702	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	
35) Dibromofluoromethane	4.89	113	13172	4.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.46%	
50) Toluene-d8	7.57	98	46850	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	
62) 4-Bromofluorobenzene	10.31	95	17743	4.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	12061	4.073	ug/l	98
3) Chloromethane	1.33	50	12647	3.666	ug/l	95
4) Vinyl Chloride	1.40	62	13415	3.493	ug/l	100
5) Bromomethane	1.62	94	6301	2.985	ug/l	100
6) Chloroethane	1.70	64	8053	3.099	ug/l	96
7) Trichlorofluoromethane	1.89	101	20143	3.862	ug/l	93
8) Diethyl Ether	2.10	74	7783	3.733	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.29	101	12212	4.206	ug/l #	93
10) Methyl Iodide	2.41	142	4246	2.307	ug/l #	91
11) Tert butyl alcohol	2.83	59	22890	31.153	ug/l	96
12) 1,1-Dichloroethene	2.28	96	12171	4.475	ug/l	89
13) Acrolein	2.19	56	11383	14.883	ug/l	98
14) Allyl chloride	2.60	41	22032	4.775	ug/l	93
15) Acrylonitrile	2.94	53	38071	19.400	ug/l	99
16) Acetone	2.32	43	41539	16.822	ug/l	99
17) Carbon Disulfide	2.48	76	36329	4.342	ug/l	99
18) Methyl Acetate	2.62	43	17485	3.563	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	42125	4.929	ug/l	100
20) Methylene Chloride	2.70	84	13524	3.986	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	12171	4.171	ug/l	98
22) Diisopropyl ether	3.57	45	42115	4.530	ug/l #	86
23) Vinyl Acetate	3.53	43	185010	27.074	ug/l	99
24) 1,1-Dichloroethane	3.45	63	23602	4.054	ug/l	97
25) 2-Butanone	4.27	43	56253	19.051	ug/l	96
26) 2,2-Dichloropropane	4.23	77	22412	5.050	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	14571	4.595	ug/l	100
28) Bromochloromethane	4.55	49	10792	5.062	ug/l	90
29) Tetrahydrofuran	4.64	42	35533	21.088	ug/l	96
30) Chloroform	4.68	83	24034	4.075	ug/l	99
31) Cyclohexane	5.00	56	25753	4.461	ug/l #	88
32) 1,1,1-Trichloroethane	4.92	97	21786	4.592	ug/l	97
36) 1,1-Dichloropropene	5.14	75	18143	4.195	ug/l	95
37) Ethyl Acetate	4.39	43	19044	3.927	ug/l #	89
38) Carbon Tetrachloride	5.14	117	20081	4.876	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	21450	4.590	ug/l	95
40) Benzene	5.39	78	51570	3.956	ug/l	97
41) Methacrylonitrile	4.55	41	10502	3.864	ug/l #	96
42) 1,2-Dichloroethane	5.41	62	19202	3.846	ug/l	95
43) Isopropyl Acetate	5.55	43	33034	4.473	ug/l	96
44) Trichloroethene	6.19	130	14144	4.164	ug/l	99
45) 1,2-Dichloropropane	6.44	63	13658	3.899	ug/l	99
46) Dibromomethane	6.56	93	9774	4.214	ug/l	95
47) Bromodichloromethane	6.76	83	19522	4.351	ug/l #	98
48) Methyl methacrylate	6.63	41	16278	4.496	ug/l	96
49) 1,4-Dioxane	6.62	88	6064	79.393	ug/l #	78
51) 4-Methyl-2-Pentanone	7.46	43	106169	19.926	ug/l	97
52) Toluene	7.64	92	32799	4.240	ug/l	98
53) t-1,3-Dichloropropene	7.89	75	20597	4.414	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	22013	4.323	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	12601	3.797	ug/l	94
56) Ethyl methacrylate	8.02	69	21683	5.013	ug/l	96
57) 1,3-Dichloropropane	8.25	76	22364	3.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	42363	19.043	ug/l	95
59) 2-Hexanone	8.36	43	85118	19.968	ug/l	99
60) Dibromochloromethane	8.48	129	15829	4.701	ug/l	99
61) 1,2-Dibromoethane	8.59	107	15039	4.332	ug/l	99
64) Tetrachloroethene	8.23	164	13962	5.008	ug/l	98
65) Chlorobenzene	9.12	112	36609	4.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	14186	5.064	ug/l	99
67) Ethyl Benzene	9.26	91	63907	4.856	ug/l	97
68) m/p-Xylenes	9.38	106	49256	9.826	ug/l	96
69) o-Xylene	9.78	106	24735	5.353	ug/l	94
70) Styrene	9.80	104	39411	5.010	ug/l	98
71) Bromoform	9.96	173	12764	5.279	ug/l #	95
73) Isopropylbenzene	10.17	105	63738	5.835	ug/l	98
74) N-amyl acetate	10.02	43	30047	6.077	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	20438	4.314	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	19256m	5.794	ug/l	
77) Bromobenzene	10.46	156	16104	5.324	ug/l	93
78) n-propylbenzene	10.59	91	75667	5.587	ug/l	96
79) 2-Chlorotoluene	10.66	91	43538	5.296	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	55557	5.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	7782m	4.967	ug/l	
82) 4-Chlorotoluene	10.78	91	50997	5.347	ug/l	98
83) tert-Butylbenzene	11.10	119	53481	5.931	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	56228	6.006	ug/l	99
85) sec-Butylbenzene	11.33	105	66144	5.842	ug/l	97
86) p-Isopropyltoluene	11.48	119	58336	5.830	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	28681	4.933	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	29793	4.895	ug/l	98
89) n-Butylbenzene	11.90	91	50235	5.102	ug/l	96
90) Hexachloroethane	12.15	117	11278	6.287	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	29119	5.009	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	5526	5.714	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	15864	4.620	ug/l	96
94) Hexachlorobutadiene	13.70	225	9879	4.843	ug/l	100
95) Naphthalene	13.75	128	44133	4.700	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	15680	4.519	ug/l	97

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

