

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031419\
 Data File : VX008062.D
 Acq On : 14 Mar 2019 10:05
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:06:48 AM

Quant Time: Mar 14 14:54:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 14 14:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	319266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	459808	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	402334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	18315	5.92	ug/l	0.00
Spiked Amount			Recovery	=	11.84%	
35) Dibromofluoromethane	5.51	113	15744	5.65	ug/l	0.00
Spiked Amount			Recovery	=	11.30%	
50) Toluene-d8	8.71	98	55924	5.21	ug/l	0.00
Spiked Amount			Recovery	=	10.42%	
62) 4-Bromofluorobenzene	11.13	95	18925	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	12190	4.741	ug/l	97
3) Chloromethane	1.33	50	15624	5.605	ug/l	96
4) Vinyl Chloride	1.41	62	15960	5.997	ug/l	100
5) Bromomethane	1.64	94	8985	6.648	ug/l	100
6) Chloroethane	1.72	64	9639	6.168	ug/l	95
7) Trichlorofluoromethane	1.93	101	20464	6.488	ug/l	100
8) Diethyl Ether	2.19	74	8835	5.199	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	13265	5.295	ug/l	98
10) Methyl Iodide	2.51	142	16951	4.280	ug/l	97
11) Tert butyl alcohol	3.07	59	16446	26.516	ug/l	95
12) 1,1-Dichloroethene	2.38	96	12073	5.012	ug/l	96
13) Acrolein	2.30	56	15933	27.793	ug/l	99
14) Allyl chloride	2.73	41	23466	5.310	ug/l	98
15) Acrylonitrile	3.15	53	41182	27.326	ug/l	99
16) Acetone	2.45	43	41149	28.143	ug/l	100
17) Carbon Disulfide	2.57	76	32580	4.533	ug/l	98
18) Methyl Acetate	2.78	43	16469	4.974	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	44205	5.475	ug/l	98
20) Methylene Chloride	2.86	84	13831	5.231	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	13250	5.151	ug/l	95
22) Diisopropyl ether	3.87	45	48489	5.482	ug/l	97
23) Vinyl Acetate	3.82	43	200042	25.877	ug/l	100
24) 1,1-Dichloroethane	3.70	63	25766	5.300	ug/l	99
25) 2-Butanone	4.70	43	64587	27.764	ug/l	100
26) 2,2-Dichloropropane	4.59	77	19340	5.323	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	16829	5.575	ug/l	99
28) Bromochloromethane	5.01	49	12978	5.546	ug/l	100
29) Tetrahydrofuran	5.15	42	39579	26.801	ug/l	97
30) Chloroform	5.22	83	27053	5.690	ug/l	100
31) Cyclohexane	5.57	56	23849	5.163	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	21363	5.138	ug/l	99
36) 1,1-Dichloropropene	5.80	75	19642	5.350	ug/l	99
37) Ethyl Acetate	4.85	43	22254	5.478	ug/l	97
38) Carbon Tetrachloride	5.79	117	18122	4.994	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	23560	4.929	ug/l	99
40) Benzene	6.14	78	62009	5.502	ug/l	100
41) Methacrylonitrile	5.05	41	12826	5.537	ug/l	98
42) 1,2-Dichloroethane	6.20	62	20017	5.558	ug/l	97
43) Isopropyl Acetate	6.46	43	34360	5.260	ug/l	99
44) Trichloroethene	7.21	130	17483	5.447	ug/l	94
45) 1,2-Dichloropropane	7.52	63	16153	5.377	ug/l	99
46) Dibromomethane	7.66	93	9834	5.169	ug/l	93
47) Bromodichloromethane	7.90	83	18386	5.098	ug/l	97
48) Methyl methacrylate	7.77	41	17822	5.099	ug/l	100
49) 1,4-Dioxane	7.76	88	7414	102.250	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	112660	26.292	ug/l	100
52) Toluene	8.78	92	37228	5.154	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	18027	4.388	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	21007	4.595	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	16119	5.537	ug/l	98
56) Ethyl methacrylate	9.18	69	21954	4.907	ug/l	98
57) 1,3-Dichloropropane	9.37	76	25957	5.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	60306	23.103	ug/l	99
59) 2-Hexanone	9.49	43	87432	26.525	ug/l	98
60) Dibromochloromethane	9.58	129	14866	4.753	ug/l	100
61) 1,2-Dibromoethane	9.67	107	16035	5.087	ug/l	99
64) Tetrachloroethene	9.34	164	17407	5.522	ug/l	94
65) Chlorobenzene	10.13	112	41089	5.295	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	14368	5.007	ug/l	97
67) Ethyl Benzene	10.25	91	67250	5.115	ug/l	99
68) m/p-Xylenes	10.36	106	51149	10.098	ug/l	100
69) o-Xylene	10.70	106	24836	5.046	ug/l	99
70) Styrene	10.71	104	40341	4.952	ug/l	100
71) Bromoform	10.86	173	10813	4.466	ug/l #	98
73) Isopropylbenzene	11.02	105	67702	5.426	ug/l	99
74) N-amyl acetate	10.90	43	27339	5.238	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	22560	5.800	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	18828m	5.728	ug/l	
77) Bromobenzene	11.26	156	18578	5.569	ug/l	99
78) n-propylbenzene	11.36	91	71583	5.132	ug/l	100
79) 2-Chlorotoluene	11.42	91	45053	5.470	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	55456	5.353	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5305	4.283	ug/l #	82
82) 4-Chlorotoluene	11.51	91	50707	5.400	ug/l	100
83) tert-Butylbenzene	11.77	119	54190	5.337	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	56355	5.291	ug/l	100
85) sec-Butylbenzene	11.94	105	64645	5.207	ug/l	99
86) p-Isopropyltoluene	12.06	119	58092	5.160	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	32359	5.478	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	32645	5.544	ug/l	96
89) n-Butylbenzene	12.38	91	46151	4.914	ug/l	98
90) Hexachloroethane	12.59	117	8627	4.769	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	32250	5.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4072	4.741	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	21420	5.147	ug/l	99
94) Hexachlorobutadiene	13.78	225	12147	5.355	ug/l	99
95) Naphthalene	13.83	128	59376	4.822	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	21182	5.106	ug/l	97

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

