

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007851.D
 Acq On : 06 Mar 2019 09:41
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:34:39 AM

Quant Time: Mar 07 07:21:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	464709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	661644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	590800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	284905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	6050	1.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.46%	
35) Dibromofluoromethane	5.50	113	4813	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	
50) Toluene-d8	8.71	98	15693	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	
62) 4-Bromofluorobenzene	11.13	95	5256	0.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	2731	0.688	ug/l	98
3) Chloromethane	1.33	50	3918	0.766	ug/l	99
4) Vinyl Chloride	1.41	62	3568	0.702	ug/l	95
5) Bromomethane	1.64	94	2261	0.731	ug/l	99
6) Chloroethane	1.73	64	2386	0.706	ug/l	92
7) Trichlorofluoromethane	1.94	101	4626	0.699	ug/l	99
8) Diethyl Ether	2.19	74	1999	0.697	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2937	0.716	ug/l	97
10) Methyl Iodide	2.51	142	3562	0.612	ug/l	99
11) Tert butyl alcohol	3.06	59	4851	4.425	ug/l	99
12) 1,1-Dichloroethene	2.38	96	2764	0.699	ug/l	98
13) Acrolein	2.30	56	3878	5.858	ug/l	96
14) Allyl chloride	2.73	41	5644	0.679	ug/l	95
15) Acrylonitrile	3.15	53	9580	3.462	ug/l	98
16) Acetone	2.45	43	10817	3.812	ug/l	99
17) Carbon Disulfide	2.57	76	9175	0.691	ug/l	99
18) Methyl Acetate	2.78	43	3954	0.656	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	9223	0.678	ug/l	91
20) Methylene Chloride	2.86	84	3465	0.767	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	3199	0.735	ug/l	98
22) Diisopropyl ether	3.87	45	11280	0.741	ug/l	94
23) Vinyl Acetate	3.82	43	47779	3.578	ug/l	99
24) 1,1-Dichloroethane	3.70	63	5763	0.703	ug/l	97
25) 2-Butanone	4.70	43	14131	3.518	ug/l	99
26) 2,2-Dichloropropane	4.58	77	3909	0.720	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	3331	0.669	ug/l	92
28) Bromochloromethane	5.01	49	2807	0.735	ug/l #	97
29) Tetrahydrofuran	5.15	42	8572	3.421	ug/l	97
30) Chloroform	5.21	83	5308	0.685	ug/l	92
31) Cyclohexane	5.57	56	4929	0.654	ug/l #	85
32) 1,1,1-Trichloroethane	5.49	97	4256	0.662	ug/l #	48
36) 1,1-Dichloropropene	5.79	75	4391	0.733	ug/l	96
37) Ethyl Acetate	4.85	43	5161	0.726	ug/l	96
38) Carbon Tetrachloride	5.78	117	4150	0.730	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	5062	0.697	ug/l	98
40) Benzene	6.14	78	12637	0.709	ug/l	99
41) Methacrylonitrile	5.06	41	2686	0.693	ug/l	97
42) 1,2-Dichloroethane	6.20	62	4122	0.707	ug/l	98
43) Isopropyl Acetate	6.46	43	7212	0.685	ug/l	99
44) Trichloroethene	7.21	130	3549	0.722	ug/l	94
45) 1,2-Dichloropropane	7.52	63	3201	0.680	ug/l	96
46) Dibromomethane	7.66	93	2029	0.681	ug/l	97
47) Bromodichloromethane	7.90	83	3778	0.668	ug/l #	96
48) Methyl methacrylate	7.77	41	3683	0.666	ug/l	97
49) 1,4-Dioxane	7.76	88	1481	13.033	ug/l #	89
51) 4-Methyl-2-Pentanone	8.65	43	21880	3.234	ug/l	99
52) Toluene	8.78	92	7450	0.684	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	3358	0.569	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	4225	0.634	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	3068	0.696	ug/l	94
56) Ethyl methacrylate	9.18	69	4125	0.623	ug/l	96
57) 1,3-Dichloropropane	9.37	76	5141	0.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	7787	2.275	ug/l	99
59) 2-Hexanone	9.49	43	17145	3.264	ug/l	97
60) Dibromochloromethane	9.58	129	3038	0.659	ug/l	98
61) 1,2-Dibromoethane	9.67	107	3006	0.642	ug/l	96
64) Tetrachloroethene	9.34	164	3780	0.772	ug/l	98
65) Chlorobenzene	10.14	112	8654	0.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	2919	0.659	ug/l #	65
67) Ethyl Benzene	10.25	91	13635	0.670	ug/l	97
68) m/p-Xylenes	10.36	106	10332	1.317	ug/l	99
69) o-Xylene	10.70	106	4927	0.651	ug/l	97
70) Styrene	10.71	104	7652	0.617	ug/l	98
71) Bromoform	10.85	173	2350	0.618	ug/l #	95
73) Isopropylbenzene	11.02	105	12646	0.656	ug/l	99
74) N-amyl acetate	10.90	43	5369	0.610	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	4843	0.729	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	4306m	0.714	ug/l	
77) Bromobenzene	11.26	156	3629	0.687	ug/l	97
78) n-propylbenzene	11.36	91	13680	0.640	ug/l	97
79) 2-Chlorotoluene	11.42	91	8974	0.687	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	10094	0.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1094	0.585	ug/l #	82
82) 4-Chlorotoluene	11.51	91	9877	0.659	ug/l	98
83) tert-Butylbenzene	11.77	119	10813	0.677	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	10210	0.628	ug/l	100
85) sec-Butylbenzene	11.94	105	12092	0.643	ug/l	100
86) p-Isopropyltoluene	12.06	119	10751	0.638	ug/l	92
87) 1,3-Dichlorobenzene	12.02	146	6561	0.702	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	6815m	0.711	ug/l	
89) n-Butylbenzene	12.38	91	8808	0.617	ug/l	99
90) Hexachloroethane	12.60	117	1984	0.704	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	6762	0.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	936	0.674	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4025	0.617	ug/l	100
94) Hexachlorobutadiene	13.78	225	2530	0.742	ug/l	98
95) Naphthalene	13.83	128	10138	0.539	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	4073	0.627	ug/l	98

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

