

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010900.D
 Acq On : 16 Jul 2019 10:06
 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
 7/17/2019 10:44:57 AM

Quant Time: Jul 17 04:18:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	220544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	332389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	147862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	12848	6.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.20%	
35) Dibromofluoromethane	5.50	113	11160	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
50) Toluene-d8	8.71	98	41290	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
62) 4-Bromofluorobenzene	11.13	95	13954	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	6534	3.896	ug/l 99
3) Chloromethane	1.33	50	8596	4.679	ug/l 98
4) Vinyl Chloride	1.41	62	9359	4.665	ug/l 99
5) Bromomethane	1.64	94	5940	5.974	ug/l 98
6) Chloroethane	1.71	64	5832	4.884	ug/l 93
7) Trichlorofluoromethane	1.93	101	16787	5.277	ug/l 99
8) Diethyl Ether	2.19	74	6055	5.384	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	9851	5.171	ug/l 97
10) Methyl Iodide	2.51	142	10107	3.771	ug/l 99
11) Tert butyl alcohol	3.05	59	17152	31.750	ug/l 99
12) 1,1-Dichloroethene	2.37	96	9146	4.737	ug/l 98
13) Acrolein	2.29	56	8847	25.079	ug/l 88
14) Allyl chloride	2.73	41	14054	5.139	ug/l 99
15) Acrylonitrile	3.14	53	27438	25.570	ug/l 98
16) Acetone	2.44	43	26576	25.808	ug/l 93
17) Carbon Disulfide	2.57	76	22265	4.325	ug/l 99
18) Methyl Acetate	2.78	43	12598	6.005	ug/l 96
19) Methyl tert-butyl Ether	3.20	73	31382	5.187	ug/l 95
20) Methylene Chloride	2.85	84	11304	5.266	ug/l 96
21) trans-1,2-Dichloroethene	3.17	96	10066	4.870	ug/l 98
22) Diisopropyl ether	3.86	45	29850	5.215	ug/l 88
23) Vinyl Acetate	3.81	43	120395	24.383	ug/l 98
24) 1,1-Dichloroethane	3.70	63	17491	5.296	ug/l 97
25) 2-Butanone	4.68	43	38135	25.156	ug/l 95
26) 2,2-Dichloropropane	4.59	77	13376	4.680	ug/l 96
27) cis-1,2-Dichloroethene	4.60	96	12665	5.336	ug/l 96
28) Bromochloromethane	5.01	49	8393	5.322	ug/l 93
29) Tetrahydrofuran	5.13	42	24330	25.778	ug/l 99
30) Chloroform	5.21	83	18912	5.315	ug/l 100
31) Cyclohexane	5.57	56	16471	5.459	ug/l 91
32) 1,1,1-Trichloroethane	5.49	97	15267	4.859	ug/l 96
36) 1,1-Dichloropropene	5.80	75	13472	5.062	ug/l 94
37) Ethyl Acetate	4.84	43	13577	4.973	ug/l # 91
38) Carbon Tetrachloride	5.78	117	12582	4.405	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	17777	5.100	ug/l	96
40) Benzene	6.15	78	41641	5.056	ug/l	99
41) Methacrylonitrile	5.05	41	7354	4.935	ug/l	95
42) 1,2-Dichloroethane	6.20	62	14698	5.779	ug/l	99
43) Isopropyl Acetate	6.45	43	21499	4.776	ug/l	96
44) Trichloroethene	7.21	130	12544	5.101	ug/l	98
45) 1,2-Dichloropropane	7.51	63	11036	5.301	ug/l	90
46) Dibromomethane	7.66	93	7294	4.880	ug/l	96
47) Bromodichloromethane	7.90	83	12159	4.462	ug/l	97
48) Methyl methacrylate	7.77	41	10219	4.870	ug/l	97
49) 1,4-Dioxane	7.74	88	6316	104.624	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	74575	25.796	ug/l	99
52) Toluene	8.78	92	27907	5.148	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	12248	4.018	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	14587	4.390	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	11127	4.990	ug/l	96
56) Ethyl methacrylate	9.18	69	15156	4.486	ug/l	94
57) 1,3-Dichloropropane	9.37	76	18071	5.199	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	39465	24.682	ug/l	100
59) 2-Hexanone	9.49	43	56761	24.946	ug/l	99
60) Dibromochloromethane	9.58	129	9582	3.863	ug/l	96
61) 1,2-Dibromoethane	9.67	107	11404	4.731	ug/l	98
64) Tetrachloroethene	9.34	164	12206	5.018	ug/l	96
65) Chlorobenzene	10.13	112	31199	5.099	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	10113	4.540	ug/l	97
67) Ethyl Benzene	10.25	91	52065	5.012	ug/l	99
68) m/p-Xylenes	10.36	106	41020	10.216	ug/l	96
69) o-Xylene	10.69	106	19844	5.020	ug/l	97
70) Styrene	10.71	104	31529	4.757	ug/l	99
71) Bromoform	10.85	173	6770	3.555	ug/l #	94
73) Isopropylbenzene	11.02	105	53147	5.313	ug/l	100
74) N-amyl acetate	10.90	43	18297	4.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	17111	5.171	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	13652m	5.076	ug/l	
77) Bromobenzene	11.25	156	13977	5.014	ug/l	99
78) n-propylbenzene	11.36	91	55279	5.023	ug/l	99
79) 2-Chlorotoluene	11.42	91	33409	5.091	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	41689	5.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	3775	3.379	ug/l #	81
82) 4-Chlorotoluene	11.51	91	40004	5.351	ug/l	99
83) tert-Butylbenzene	11.77	119	42369	5.118	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	42675	5.144	ug/l	99
85) sec-Butylbenzene	11.94	105	48856	5.026	ug/l	98
86) p-Isopropyltoluene	12.06	119	44488	4.947	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	24412	5.008	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	24847	5.001	ug/l	95
89) n-Butylbenzene	12.38	91	35955	4.697	ug/l	99
90) Hexachloroethane	12.59	117	5848	3.836	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	25404	5.241	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2844	3.968	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	15443	4.610	ug/l	98
94) Hexachlorobutadiene	13.78	225	7817	4.784	ug/l	97
95) Naphthalene	13.83	128	43398	4.243	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	15030	4.523	ug/l	99

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

