

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007852.D
 Acq On : 06 Mar 2019 10:07
 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
 3/7/2019 10:34:46 AM

Quant Time: Mar 07 07:22:41 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	5.67	168	309538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	450486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	391914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	17470	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
35) Dibromofluoromethane	5.50	113	15066	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
50) Toluene-d8	8.71	98	53353	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
62) 4-Bromofluorobenzene	11.13	95	17322	4.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	12956	4.899	ug/l	99
3) Chloromethane	1.33	50	16790	4.927	ug/l	98
4) Vinyl Chloride	1.41	62	17082	5.044	ug/l	99
5) Bromomethane	1.64	94	8737	4.243	ug/l	90
6) Chloroethane	1.72	64	12991	5.775	ug/l	98
7) Trichlorofluoromethane	1.93	101	22219	5.040	ug/l	98
8) Diethyl Ether	2.20	74	9737	5.100	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	13721	5.022	ug/l	99
10) Methyl Iodide	2.51	142	18533	4.782	ug/l	99
11) Tert butyl alcohol	3.07	59	19854	27.188	ug/l	100
12) 1,1-Dichloroethene	2.38	96	13271	5.039	ug/l	97
13) Acrolein	2.30	56	14768	33.491	ug/l	98
14) Allyl chloride	2.73	41	28002	5.060	ug/l	99
15) Acrylonitrile	3.15	53	46825	25.404	ug/l	99
16) Acetone	2.45	43	49719	26.306	ug/l	100
17) Carbon Disulfide	2.57	76	42140	4.766	ug/l	99
18) Methyl Acetate	2.78	43	19513	4.860	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	46506	5.133	ug/l	99
20) Methylene Chloride	2.86	84	15505	5.155	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	14555	5.023	ug/l	98
22) Diisopropyl ether	3.87	45	52249	5.151	ug/l	99
23) Vinyl Acetate	3.82	43	226895	25.506	ug/l	99
24) 1,1-Dichloroethane	3.70	63	28056	5.139	ug/l	100
25) 2-Butanone	4.70	43	68848	25.730	ug/l	100
26) 2,2-Dichloropropane	4.59	77	18040	4.988	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	16634	5.016	ug/l	96
28) Bromochloromethane	5.02	49	12694	4.988	ug/l	98
29) Tetrahydrofuran	5.15	42	41844	25.071	ug/l	100
30) Chloroform	5.21	83	26692	5.169	ug/l	100
31) Cyclohexane	5.57	56	24976	4.978	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	21424	5.000	ug/l	99
36) 1,1-Dichloropropene	5.80	75	19950	4.891	ug/l	100
37) Ethyl Acetate	4.85	43	24285	5.017	ug/l	99
38) Carbon Tetrachloride	5.78	117	19099	4.932	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	24166	4.889	ug/l	98
40) Benzene	6.15	78	61257	5.044	ug/l	99
41) Methacrylonitrile	5.06	41	12987	4.921	ug/l	98
42) 1,2-Dichloroethane	6.20	62	20413	5.140	ug/l	99
43) Isopropyl Acetate	6.46	43	35250	4.921	ug/l	99
44) Trichloroethene	7.21	130	16317	4.876	ug/l	95
45) 1,2-Dichloropropane	7.52	63	16295	5.081	ug/l	90
46) Dibromomethane	7.66	93	10271	5.060	ug/l	99
47) Bromodichloromethane	7.90	83	19087	4.960	ug/l	97
48) Methyl methacrylate	7.77	41	17990	4.776	ug/l	99
49) 1,4-Dioxane	7.76	88	7689	99.377	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	116114	25.203	ug/l	99
52) Toluene	8.78	92	37753	5.092	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	18197	4.530	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	21428	4.724	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	15791	5.261	ug/l	99
56) Ethyl methacrylate	9.18	69	21681	4.811	ug/l	98
57) 1,3-Dichloropropane	9.37	76	25712	5.102	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	56580	24.273	ug/l	99
59) 2-Hexanone	9.49	43	89772	25.098	ug/l	97
60) Dibromochloromethane	9.58	129	15479	4.934	ug/l	99
61) 1,2-Dibromoethane	9.67	107	15925	4.998	ug/l	100
64) Tetrachloroethene	9.34	164	16684	5.137	ug/l	98
65) Chlorobenzene	10.14	112	41251	5.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	14501	4.934	ug/l	98
67) Ethyl Benzene	10.25	91	66436	4.921	ug/l	100
68) m/p-Xylenes	10.36	106	51059	9.812	ug/l	99
69) o-Xylene	10.70	106	24804	4.937	ug/l	100
70) Styrene	10.71	104	38825	4.723	ug/l	98
71) Bromoform	10.85	173	11688	4.630	ug/l #	99
73) Isopropylbenzene	11.02	105	66268	5.171	ug/l	100
74) N-amyl acetate	10.90	43	27847	4.760	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	23314	5.274	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	21086m	5.259	ug/l	
77) Bromobenzene	11.26	156	17661	5.027	ug/l	97
78) n-propylbenzene	11.36	91	70096	4.930	ug/l	100
79) 2-Chlorotoluene	11.42	91	44609	5.132	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	53501	5.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5428	4.364	ug/l #	82
82) 4-Chlorotoluene	11.51	91	49475	4.967	ug/l	99
83) tert-Butylbenzene	11.77	119	52494	4.941	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	54742	5.063	ug/l	99
85) sec-Butylbenzene	11.94	105	62365	4.984	ug/l	99
86) p-Isopropyltoluene	12.06	119	55502	4.953	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	31116	5.006	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	31404	4.930	ug/l	94
89) n-Butylbenzene	12.38	91	44119	4.647	ug/l	99
90) Hexachloroethane	12.60	117	9121	4.868	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	31146	5.044	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4334	4.691	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	19461	4.486	ug/l	98
94) Hexachlorobutadiene	13.78	225	11158	4.920	ug/l	99
95) Naphthalene	13.83	128	56052	4.485	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	20540	4.753	ug/l	99

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

