

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008347.D
 Acq On : 23 Mar 2019 13:32
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:16:38 AM

Quant Time: Mar 23 15:01:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 14:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	204162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	347327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137837	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	16557	5.38	ug/l	0.00
Spiked Amount			Recovery	=	10.76%	
35) Dibromofluoromethane	5.49	113	11614	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
50) Toluene-d8	8.71	98	46754	5.30	ug/l	0.00
Spiked Amount			Recovery	=	10.60%	
62) 4-Bromofluorobenzene	11.13	95	16764	5.52	ug/l	0.00
Spiked Amount			Recovery	=	11.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	12531	5.062	ug/l	91
3) Chloromethane	1.32	50	18541	5.970	ug/l	96
4) Vinyl Chloride	1.40	62	17610	5.687	ug/l	98
5) Bromomethane	1.64	94	12144	4.604	ug/l	96
6) Chloroethane	1.71	64	9966	5.133	ug/l	98
7) Trichlorofluoromethane	1.92	101	20118	5.091	ug/l	96
8) Diethyl Ether	2.18	74	9677	4.759	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	11961	4.558	ug/l	90
10) Methyl Iodide	2.51	142	13691	4.098	ug/l	95
11) Tert butyl alcohol	3.05	59	17577	26.703	ug/l #	94
12) 1,1-Dichloroethene	2.37	96	12264	4.951	ug/l	88
13) Acrolein	2.29	56	16352	32.592	ug/l	99
14) Allyl chloride	2.72	41	25814	4.787	ug/l	90
15) Acrylonitrile	3.14	53	45935	26.383	ug/l	98
16) Acetone	2.45	43	38053	21.820	ug/l	98
17) Carbon Disulfide	2.56	76	38319	4.797	ug/l	99
18) Methyl Acetate	2.77	43	20473	5.071	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	43158	4.818	ug/l	97
20) Methylene Chloride	2.85	84	14801	5.090	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	13045	4.875	ug/l	83
22) Diisopropyl ether	3.85	45	53039	5.022	ug/l #	83
23) Vinyl Acetate	3.81	43	226057	24.965	ug/l	97
24) 1,1-Dichloroethane	3.70	63	26987	4.968	ug/l	97
25) 2-Butanone	4.67	43	64156	24.922	ug/l	94
26) 2,2-Dichloropropane	4.58	77	16636	4.065	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	14909	4.887	ug/l	87
28) Bromochloromethane	5.01	49	12381	5.076	ug/l #	79
29) Tetrahydrofuran	5.13	42	42381	26.335	ug/l	99
30) Chloroform	5.21	83	23831	4.690	ug/l	98
31) Cyclohexane	5.58	56	25830	5.064	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	18272	4.323	ug/l #	94
36) 1,1-Dichloropropene	5.79	75	19062	4.714	ug/l	96
37) Ethyl Acetate	4.84	43	24655	5.158	ug/l	97
38) Carbon Tetrachloride	5.78	117	15267	4.237	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	23518	4.833	ug/l	88
40) Benzene	6.14	78	57292	4.787	ug/l	99
41) Methacrylonitrile	5.04	41	13773	5.137	ug/l	97
42) 1,2-Dichloroethane	6.19	62	21115	4.816	ug/l	97
43) Isopropyl Acetate	6.45	43	38952	5.084	ug/l	96
44) Trichloroethene	7.21	130	13130	4.487	ug/l	98
45) 1,2-Dichloropropane	7.51	63	16620	4.960	ug/l	100
46) Dibromomethane	7.66	93	9261	4.565	ug/l #	84
47) Bromodichloromethane	7.90	83	17246	4.461	ug/l #	99
48) Methyl methacrylate	7.77	41	18739	4.600	ug/l	95
49) 1,4-Dioxane	7.74	88	8025	111.623	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	126650	25.568	ug/l	96
52) Toluene	8.78	92	33604	4.733	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	16643	3.847	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	19893	4.146	ug/l #	90
55) 1,1,2-Trichloroethane	9.21	97	14158	4.935	ug/l	97
56) Ethyl methacrylate	9.18	69	23111	5.036	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	24484	4.824	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	62330	26.517	ug/l	92
59) 2-Hexanone	9.49	43	95900	25.147	ug/l	96
60) Dibromochloromethane	9.58	129	11780	4.273	ug/l	99
61) 1,2-Dibromoethane	9.67	107	14057	4.693	ug/l	98
64) Tetrachloroethene	9.34	164	10517	3.840	ug/l	95
65) Chlorobenzene	10.13	112	34427	4.608	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	11247	4.318	ug/l	99
67) Ethyl Benzene	10.25	91	62954	4.782	ug/l	98
68) m/p-Xylenes	10.36	106	45175	9.342	ug/l	90
69) o-Xylene	10.69	106	22169	4.718	ug/l	92
70) Styrene	10.71	104	37812	4.951	ug/l	97
71) Bromoform	10.85	173	7775	3.924	ug/l #	97
73) Isopropylbenzene	11.02	105	59013	4.803	ug/l	98
74) N-amyl acetate	10.90	43	32405	5.034	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	22733	5.160	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	18956m	4.890	ug/l	
77) Bromobenzene	11.26	156	13909	4.682	ug/l	81
78) n-propylbenzene	11.36	91	68777	4.820	ug/l	95
79) 2-Chlorotoluene	11.42	91	42113	4.917	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	50447	4.970	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	5422	4.000	ug/l #	68
82) 4-Chlorotoluene	11.51	91	48440	4.860	ug/l	92
83) tert-Butylbenzene	11.77	119	47069	4.857	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	49784	4.838	ug/l	96
85) sec-Butylbenzene	11.94	105	56351	4.696	ug/l	95
86) p-Isopropyltoluene	12.06	119	49054	4.722	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	24609	4.635	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	24791	4.515	ug/l	91
89) n-Butylbenzene	12.38	91	45830	4.701	ug/l	95
90) Hexachloroethane	12.60	117	7724	4.366	ug/l	76
91) 1,2-Dichlorobenzene	12.39	146	25035	4.677	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4693	4.796	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	16539	4.691	ug/l	98
94) Hexachlorobutadiene	13.78	225	7812	4.543	ug/l	97
95) Naphthalene	13.83	128	56764	5.101	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	16650	4.799	ug/l	98

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

