

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011563.D
 Acq On : 15 Aug 2019 17:40
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:27:47 AM

Quant Time: Aug 16 03:58:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	395132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	549582	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	490651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	247013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.19	85	3098	0.836	ug/l	80
3) Chloromethane	1.32	50	4923	1.341	ug/l	99
4) Vinyl Chloride	1.40	62	3610	0.981	ug/l	99
6) Chloroethane	1.72	64	1952	0.871	ug/l #	77
7) Trichlorofluoromethane	1.92	101	5284	0.871	ug/l	96
8) Diethyl Ether	2.18	74	1868	0.889	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3851	1.079	ug/l	98
12) 1,1-Dichloroethene	2.37	96	3738	1.075	ug/l	95
14) Allyl chloride	2.73	41	5837	1.120	ug/l	97
15) Acrylonitrile	3.14	53	9790	4.875	ug/l	98
16) Acetone	2.43	43	10192	5.390	ug/l	99
17) Carbon Disulfide	2.56	76	8210	0.931	ug/l	98
18) Methyl Acetate	2.77	43	6042	1.301	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	10843	0.954	ug/l #	90
20) Methylene Chloride	2.85	84	4593	1.149	ug/l #	87
21) trans-1,2-Dichloroethene	3.16	96	3642	0.981	ug/l #	84
22) Diisopropyl ether	3.84	45	10987	1.004	ug/l #	62
23) Vinyl Acetate	3.81	43	37947	4.163	ug/l	99
24) 1,1-Dichloroethane	3.68	63	6716	1.066	ug/l #	86
25) 2-Butanone	4.67	43	13636	4.933	ug/l	98
26) 2,2-Dichloropropane	4.57	77	4594	0.902	ug/l	85
27) cis-1,2-Dichloroethene	4.59	96	4351	1.007	ug/l	80
28) Bromochloromethane	5.00	49	2911	0.988	ug/l	87
29) Tetrahydrofuran	5.13	42	9559	5.405	ug/l #	75
30) Chloroform	5.21	83	7227	1.064	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	5574	0.950	ug/l #	25
36) 1,1-Dichloropropene	5.79	75	4408	0.965	ug/l	90
37) Ethyl Acetate	4.84	43	5083	1.069	ug/l #	84
38) Carbon Tetrachloride	5.78	117	4987	1.040	ug/l #	86
39) Methylcyclohexane	7.46	83	5859	0.998	ug/l	97
40) Benzene	6.14	78	14223	1.016	ug/l	96
41) Methacrylonitrile	5.03	41	2524	0.924	ug/l #	79
42) 1,2-Dichloroethane	6.20	62	4565	0.931	ug/l	93
43) Isopropyl Acetate	6.45	43	8203	1.055	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.21	130	4256	1.026	ug/l	99
45) 1,2-Dichloropropane	7.51	63	3314	0.927	ug/l	91
46) Dibromomethane	7.66	93	3020	1.193	ug/l	88
47) Bromodichloromethane	7.89	83	4792	1.052	ug/l #	89
48) Methyl methacrylate	7.77	41	3590	0.938	ug/l #	86
49) 1,4-Dioxane	7.74	88	2214	21.015	ug/l #	68
51) 4-Methyl-2-Pentanone	8.64	43	23933	4.729	ug/l	95
52) Toluene	8.78	92	9140	0.998	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	4181	0.857	ug/l #	77
54) cis-1,3-Dichloropropene	8.43	75	4441	0.820	ug/l #	83
55) 1,1,2-Trichloroethane	9.21	97	4036	1.067	ug/l #	92
56) Ethyl methacrylate	9.18	69	4413	0.796	ug/l #	94
57) 1,3-Dichloropropane	9.37	76	6199	1.030	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	13140	4.929	ug/l	93
59) 2-Hexanone	9.49	43	17854	4.563	ug/l	96
60) Dibromochloromethane	9.58	129	3159	0.816	ug/l	88
61) 1,2-Dibromoethane	9.67	107	3989	0.992	ug/l	99
64) Tetrachloroethene	9.34	164	4157	1.062	ug/l	89
65) Chlorobenzene	10.13	112	10538	1.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	3604	0.998	ug/l #	68
67) Ethyl Benzene	10.25	91	16303	0.944	ug/l	97
68) m/p-Xylenes	10.36	106	11888	1.789	ug/l	99
69) o-Xylene	10.69	106	5986	0.926	ug/l	99
70) Styrene	10.71	104	9271	0.858	ug/l	93
71) Bromoform	10.85	173	2516	0.863	ug/l #	93
73) Isopropylbenzene	11.01	105	15208	0.910	ug/l	99
74) N-amyl acetate	10.90	43	6971	1.082	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	5383	0.981	ug/l #	96
76) 1,2,3-Trichloropropane	11.29	75	4579m	1.014	ug/l	
77) Bromobenzene	11.25	156	4731	1.014	ug/l	99
78) n-propylbenzene	11.36	91	15495	0.843	ug/l	98
79) 2-Chlorotoluene	11.42	91	9943	0.896	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	11722	0.840	ug/l	96
82) 4-Chlorotoluene	11.51	91	11479	0.891	ug/l	98
83) tert-Butylbenzene	11.77	119	12396	0.899	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	11676	0.829	ug/l	98
85) sec-Butylbenzene	11.94	105	14053	0.877	ug/l	99
86) p-Isopropyltoluene	12.06	119	12321	0.827	ug/l	92
87) 1,3-Dichlorobenzene	12.02	146	7933	0.983	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	8222m	0.996	ug/l	
89) n-Butylbenzene	12.38	91	10064	0.797	ug/l	98
90) Hexachloroethane	12.59	117	1993	0.851	ug/l	86
91) 1,2-Dichlorobenzene	12.39	146	8009	1.001	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1211	1.045	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	5605	1.015	ug/l	97
94) Hexachlorobutadiene	13.78	225	3183	1.140	ug/l	94
95) Naphthalene	13.83	128	14121	0.871	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.02	180	5478	0.993	ug/l	97

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

