

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011748.D
 Acq On : 22 Aug 2019 08:56
 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
 8/23/2019 1:55:37 PM

Quant Time: Aug 23 01:31:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	373356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	487592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	442187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	227108	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	3180	0.875	ug/l	82
3) Chloromethane	1.32	50	3264	0.875	ug/l	99
4) Vinyl Chloride	1.40	62	3306	0.982	ug/l	97
6) Chloroethane	1.72	64	1975	1.178	ug/l	97
7) Trichlorofluoromethane	1.93	101	4846	1.010	ug/l	88
8) Diethyl Ether	2.18	74	1800m	1.104	ug/l	
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3173	0.972	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	3404	1.082	ug/l #	83
14) Allyl chloride	2.72	41	4399	0.843	ug/l #	94
15) Acrylonitrile	3.14	53	8192	4.291	ug/l	99
16) Acetone	2.43	43	8567	4.946	ug/l	95
17) Carbon Disulfide	2.56	76	8253	1.096	ug/l	96
18) Methyl Acetate	2.76	43	4044	0.768	ug/l #	88
19) Methyl tert-butyl Ether	3.18	73	9713	0.950	ug/l #	89
20) Methylene Chloride	2.85	84	3768	1.038	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	3348	0.998	ug/l #	83
22) Diisopropyl ether	3.85	45	8397	0.817	ug/l	95
23) Vinyl Acetate	3.81	43	32419	3.952	ug/l	100
24) 1,1-Dichloroethane	3.68	63	5298	0.901	ug/l #	85
25) 2-Butanone	4.67	43	10771	4.044	ug/l	92
26) 2,2-Dichloropropane	4.58	77	4899	1.091	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	4190	1.079	ug/l	84
28) Bromochloromethane	5.01	49	2420	0.934	ug/l #	63
29) Tetrahydrofuran	5.13	42	7011m	4.006	ug/l	
30) Chloroform	5.20	83	6014	0.969	ug/l	92
32) 1,1,1-Trichloroethane	5.48	97	4435	0.827	ug/l #	46
36) 1,1-Dichloropropene	5.79	75	3580	0.873	ug/l	93
37) Ethyl Acetate	4.82	43	3066	0.653	ug/l #	76
38) Carbon Tetrachloride	5.78	117	4659	1.028	ug/l #	74
39) Methylcyclohexane	7.46	83	4778	0.934	ug/l	97
40) Benzene	6.13	78	13119	1.031	ug/l	97
41) Methacrylonitrile	5.04	41	2681m	1.044	ug/l	
42) 1,2-Dichloroethane	6.18	62	4935	1.109	ug/l	99
43) Isopropyl Acetate	6.44	43	6697	0.912	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.20	130	3981	1.045	ug/l	81
45) 1,2-Dichloropropane	7.51	63	3254	1.025	ug/l	90
46) Dibromomethane	7.65	93	2436	1.047	ug/l	88
47) Bromodichloromethane	7.90	83	3962	0.930	ug/l #	83
48) Methyl methacrylate	7.77	41	2996	0.825	ug/l #	78
49) 1,4-Dioxane	7.74	88	2151	22.195	ug/l #	73
51) 4-Methyl-2-Pentanone	8.63	43	20404	4.265	ug/l	98
52) Toluene	8.78	92	8412	1.031	ug/l	88
53) t-1,3-Dichloropropene	9.04	75	3735	0.846	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	3882	0.805	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	3385	0.978	ug/l #	86
56) Ethyl methacrylate	9.18	69	3735	0.743	ug/l #	77
57) 1,3-Dichloropropane	9.37	76	5967	1.092	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.31	63	9864	3.898	ug/l	92
59) 2-Hexanone	9.49	43	13898	3.762	ug/l	100
60) Dibromochloromethane	9.58	129	3257	0.905	ug/l	98
61) 1,2-Dibromoethane	9.67	107	3314	0.896	ug/l	98
64) Tetrachloroethene	9.33	164	3924	1.074	ug/l	91
65) Chlorobenzene	10.13	112	9292	1.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	3204	0.920	ug/l #	67
67) Ethyl Benzene	10.25	91	14063	0.899	ug/l	96
68) m/p-Xylenes	10.35	106	10461	1.742	ug/l	99
69) o-Xylene	10.69	106	5329	0.905	ug/l	100
70) Styrene	10.71	104	8377	0.849	ug/l	97
71) Bromoform	10.85	173	2636	0.892	ug/l #	98
73) Isopropylbenzene	11.01	105	13963	0.959	ug/l	99
74) N-amyl acetate	10.90	43	4985	0.816	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.27	83	5033	1.016	ug/l #	95
76) 1,2,3-Trichloropropane	11.29	75	4660m	1.101	ug/l	
77) Bromobenzene	11.26	156	4321	1.003	ug/l	90
78) n-propylbenzene	11.36	91	13421	0.855	ug/l	98
79) 2-Chlorotoluene	11.42	91	9458	0.982	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	10658	0.871	ug/l	95
82) 4-Chlorotoluene	11.51	91	10378	0.928	ug/l	99
83) tert-Butylbenzene	11.77	119	10319	0.831	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	10856	0.885	ug/l	98
85) sec-Butylbenzene	11.94	105	12471	0.894	ug/l	100
86) p-Isopropyltoluene	12.06	119	11252	0.852	ug/l	86
87) 1,3-Dichlorobenzene	12.02	146	7263	0.976	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	7578m	1.005	ug/l	
89) n-Butylbenzene	12.38	91	9236	0.850	ug/l	98
90) Hexachloroethane	12.59	117	1792	0.859	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	7331	0.982	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1121	0.980	ug/l	85
93) 1,2,4-Trichlorobenzene	13.64	180	4842	0.871	ug/l	94
94) Hexachlorobutadiene	13.78	225	3170	1.060	ug/l	92
95) Naphthalene	13.83	128	11417	0.733	ug/l	96
96) 1,2,3-Trichlorobenzene	14.02	180	4516	0.807	ug/l	89

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

