

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009205.D
 Acq On : 29 Apr 2019 13:43
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:39 AM

Quant Time: Apr 30 06:48:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 06:38:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300221	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	373839	141.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.64%	
35) Dibromofluoromethane	5.50	113	279885	144.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.46%	
50) Toluene-d8	8.71	98	1136942	147.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.16%	
62) 4-Bromofluorobenzene	11.13	95	437942	159.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	261650	126.794	ug/l	100
3) Chloromethane	1.32	50	345175	132.806	ug/l	100
4) Vinyl Chloride	1.41	62	347879	137.875	ug/l	99
5) Bromomethane	1.64	94	229098	139.312	ug/l	96
6) Chloroethane	1.70	64	220403	147.194	ug/l	99
7) Trichlorofluoromethane	1.91	101	413632	139.559	ug/l	99
8) Diethyl Ether	2.18	74	191048	140.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	262386	138.184	ug/l	99
10) Methyl Iodide	2.50	142	323439	172.109	ug/l	97
11) Tert butyl alcohol	3.07	59	438974	749.460	ug/l	100
12) 1,1-Dichloroethene	2.36	96	267458	135.441	ug/l	98
13) Acrolein	2.29	56	396303	785.469	ug/l	99
14) Allyl chloride	2.72	41	636384	147.036	ug/l	100
15) Acrylonitrile	3.15	53	1047986	712.563	ug/l	100
16) Acetone	2.45	43	956184	705.036	ug/l	99
17) Carbon Disulfide	2.56	76	767803	126.204	ug/l	100
18) Methyl Acetate	2.78	43	468168	138.065	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1016548	143.532	ug/l	100
20) Methylene Chloride	2.85	84	314980	135.458	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	283813	134.621	ug/l	99
22) Diisopropyl ether	3.86	45	1206523	142.862	ug/l	91
23) Vinyl Acetate	3.82	43	5395096	730.727	ug/l	99
24) 1,1-Dichloroethane	3.69	63	597877	141.333	ug/l	100
25) 2-Butanone	4.68	43	1585051	732.270	ug/l	100
26) 2,2-Dichloropropane	4.58	77	459417	144.806	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	337948	140.634	ug/l	99
28) Bromochloromethane	5.01	49	229313	115.326	ug/l	100
29) Tetrahydrofuran	5.13	42	1018381	703.624	ug/l	100
30) Chloroform	5.21	83	543132	143.389	ug/l	100
31) Cyclohexane	5.57	56	572610	138.395	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	461673	147.247	ug/l	99
36) 1,1-Dichloropropene	5.80	75	426400	138.606	ug/l	99
37) Ethyl Acetate	4.84	43	585901	147.956	ug/l	99
38) Carbon Tetrachloride	5.78	117	390133	148.897	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	532208	142.264	ug/l	100
40) Benzene	6.14	78	1290706	141.757	ug/l	99
41) Methacrylonitrile	5.05	41	333606	146.016	ug/l	99
42) 1,2-Dichloroethane	6.19	62	456554	141.518	ug/l	100
43) Isopropyl Acetate	6.45	43	970338	151.510	ug/l	100
44) Trichloroethene	7.21	130	314227	141.039	ug/l	99
45) 1,2-Dichloropropane	7.51	63	370941	146.613	ug/l	99
46) Dibromomethane	7.66	93	212286	144.335	ug/l	99
47) Bromodichloromethane	7.90	83	438014	151.501	ug/l	99
48) Methyl methacrylate	7.77	41	488153	154.288	ug/l	99
49) 1,4-Dioxane	7.74	88	178200	2945.267	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	3116240	760.906	ug/l	99
52) Toluene	8.79	92	786996	143.897	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	532791	160.982	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	566742	152.389	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	321018	147.698	ug/l	95
56) Ethyl methacrylate	9.18	69	618854	158.993	ug/l	100
57) 1,3-Dichloropropane	9.37	76	565566	146.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1582538	752.730	ug/l	99
59) 2-Hexanone	9.49	43	2403040	757.125	ug/l	100
60) Dibromochloromethane	9.59	129	344035	165.176	ug/l	99
61) 1,2-Dibromoethane	9.67	107	333431	149.263	ug/l	100
64) Tetrachloroethene	9.34	164	271862	129.376	ug/l	99
65) Chlorobenzene	10.14	112	839307	142.323	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	312724	150.635	ug/l	99
67) Ethyl Benzene	10.25	91	1537212	142.757	ug/l	99
68) m/p-Xylenes	10.36	106	1141947	290.967	ug/l	100
69) o-Xylene	10.70	106	557129	145.895	ug/l	100
70) Styrene	10.71	104	1004774	151.500	ug/l	99
71) Bromoform	10.86	173	275139	166.002	ug/l #	100
73) Isopropylbenzene	11.02	105	1495994	138.818	ug/l	99
74) N-amyl acetate	10.90	43	911028	146.458	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	546927	138.090	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	449408m	129.148	ug/l	
77) Bromobenzene	11.26	156	375656	138.109	ug/l	99
78) n-propylbenzene	11.36	91	1768449	143.264	ug/l	99
79) 2-Chlorotoluene	11.42	91	1041906	139.706	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1293429	142.927	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	210911	157.104	ug/l	97
82) 4-Chlorotoluene	11.51	91	1222139	141.215	ug/l	100
83) tert-Butylbenzene	11.77	119	1278068	146.637	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1300331	141.057	ug/l	99
85) sec-Butylbenzene	11.94	105	1501904	144.795	ug/l	100
86) p-Isopropyltoluene	12.06	119	1374002	144.183	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	681919	142.671	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	682433	140.772	ug/l	99
89) n-Butylbenzene	12.38	91	1302313	147.597	ug/l	100
90) Hexachloroethane	12.60	117	241736	153.611	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	674901	142.274	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	130908	144.477	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	493947	145.025	ug/l	99
94) Hexachlorobutadiene	13.78	225	242541	142.704	ug/l	99
95) Naphthalene	13.83	128	1594664	145.616	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	489714	145.063	ug/l	100

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

