

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008186.D
 Acq On : 19 Mar 2019 12:48
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 10:28:22 AM

Quant Time: Mar 19 13:10:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 11:34:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	355545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	591258	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	515642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219534	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	1.20	85	4384	0.942 ug/l	89
3) Chloromethane	1.33	50	6880	1.305 ug/l	93
4) Vinyl Chloride	1.41	62	5652	1.024 ug/l	96
5) Bromomethane	1.64	94	4930	1.039 ug/l	94
6) Chloroethane	1.73	64	3735	1.130 ug/l	92
7) Trichlorofluoromethane	1.93	101	7800	1.145 ug/l	91
8) Diethyl Ether	2.19	74	3078	0.795 ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4599	0.942 ug/l	92
12) 1,1-Dichloroethene	2.38	96	4124	0.891 ug/l	98
14) Allyl chloride	2.73	41	8151	0.791 ug/l	91
15) Acrylonitrile	3.15	53	14594	4.462 ug/l	96
16) Acetone	2.45	43	15504	4.858 ug/l	91
17) Carbon Disulfide	2.57	76	17144	1.188 ug/l	99
18) Methyl Acetate	2.78	43	6305	0.809 ug/l	99
19) Methyl tert-butyl Ether	3.20	73	14031	0.827 ug/l	94
20) Methylene Chloride	2.86	84	5279	0.999 ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	4985	1.017 ug/l	95
22) Diisopropyl ether	3.86	45	16370	0.809 ug/l #	70
23) Vinyl Acetate	3.82	43	64458	3.613 ug/l	96
24) 1,1-Dichloroethane	3.70	63	8761	0.860 ug/l	95
25) 2-Butanone	4.68	43	20601	4.205 ug/l	97
26) 2,2-Dichloropropane	4.59	77	6652	0.858 ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	5338	0.948 ug/l	90
28) Bromochloromethane	5.01	49	4905	1.146 ug/l	83
29) Tetrahydrofuran	5.15	42	11485	3.638 ug/l	93
30) Chloroform	5.22	83	8016	0.838 ug/l	93
31) Cyclohexane	5.59	56	8057	0.810 ug/l #	86
32) 1,1,1-Trichloroethane	5.49	97	6432	0.801 ug/l #	42
36) 1,1-Dichloropropene	5.81	75	6610	0.894 ug/l #	92
37) Ethyl Acetate	4.85	43	6350	0.690 ug/l #	95
38) Carbon Tetrachloride	5.79	117	5374	0.795 ug/l	95
39) Methylcyclohexane	7.46	83	7690	0.841 ug/l #	87
40) Benzene	6.15	78	18069	0.816 ug/l	93
41) Methacrylonitrile	5.04	41	3700	0.718 ug/l #	31

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.19	62	6860	0.856	ug/l	97
43) Isopropyl Acetate	6.45	43	10084	0.684	ug/l #	86
44) Trichloroethene	7.21	130	4931	0.935	ug/l	99
45) 1,2-Dichloropropane	7.52	63	5240	0.860	ug/l	93
46) Dibromomethane	7.66	93	3395	0.923	ug/l #	86
47) Bromodichloromethane	7.90	83	5489	0.754	ug/l #	92
48) Methyl methacrylate	7.77	41	5999	0.773	ug/l	93
49) 1,4-Dioxane	7.75	88	2530	19.875	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	35021	3.724	ug/l	94
52) Toluene	8.78	92	11043	0.847	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	5942	0.707	ug/l #	82
54) cis-1,3-Dichloropropene	8.43	75	6699	0.730	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	4366	0.813	ug/l	96
56) Ethyl methacrylate	9.18	69	5810	0.645	ug/l #	86
57) 1,3-Dichloropropane	9.37	76	7385	0.778	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.31	63	19351	4.620	ug/l	98
59) 2-Hexanone	9.49	43	27216	3.797	ug/l	92
60) Dibromochloromethane	9.58	129	3627	0.681	ug/l	92
61) 1,2-Dibromoethane	9.67	107	4660	0.835	ug/l	96
64) Tetrachloroethene	9.34	164	4660	0.940	ug/l	96
65) Chlorobenzene	10.13	112	12165	0.894	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	3831	0.785	ug/l #	64
67) Ethyl Benzene	10.25	91	19005	0.767	ug/l	93
68) m/p-Xylenes	10.36	106	13810	1.519	ug/l	91
69) o-Xylene	10.70	106	6710	0.758	ug/l	92
70) Styrene	10.71	104	10520	0.726	ug/l	93
71) Bromoform	10.86	173	2604	0.685	ug/l #	96
73) Isopropylbenzene	11.02	105	17722	0.821	ug/l	98
74) N-amyl acetate	10.90	43	8291	0.722	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	6784	0.915	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	5755m	0.883	ug/l	
77) Bromobenzene	11.26	156	4734	0.935	ug/l	83
78) n-propylbenzene	11.36	91	19508	0.762	ug/l	100
79) 2-Chlorotoluene	11.42	91	12717	0.856	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	13765	0.766	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1748	0.707	ug/l #	84
82) 4-Chlorotoluene	11.51	91	14586	0.839	ug/l	98
83) tert-Butylbenzene	11.77	119	13374	0.792	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	13847	0.757	ug/l	98
85) sec-Butylbenzene	11.94	105	16253	0.762	ug/l	99
86) p-Isopropyltoluene	12.06	119	13996	0.757	ug/l	91
87) 1,3-Dichlorobenzene	12.02	146	8269	0.913	ug/l	95
88) 1,4-Dichlorobenzene	12.10	146	9526m	1.051	ug/l	
89) n-Butylbenzene	12.38	91	12752	0.725	ug/l	98
90) Hexachloroethane	12.59	117	2270	0.714	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	8176	0.906	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1535	0.912	ug/l	65
93) 1,2,4-Trichlorobenzene	13.65	180	5461	0.900	ug/l	97
94) Hexachlorobutadiene	13.78	225	2526	0.852	ug/l	97
95) Naphthalene	13.83	128	15454	0.773	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	5061	0.842	ug/l	93

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

