

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007994.D
 Acq On : 12 Mar 2019 04:54
 Operator : JC/SP
 Sample : VX0311WBS03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 3:24:01 PM

Quant Time: Mar 12 09:33:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148164	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	129204	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	5.50	113	113324	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	8.71	98	414295	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.13	95	145231	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	36900	18.734	ug/l	99
3) Chloromethane	1.33	50	50996	20.090	ug/l	99
4) Vinyl Chloride	1.41	62	51010	20.225	ug/l	98
5) Bromomethane	1.64	94	28887	23.816	ug/l	98
6) Chloroethane	1.73	64	34237	20.434	ug/l	97
7) Trichlorofluoromethane	1.93	101	65740	20.020	ug/l	96
8) Diethyl Ether	2.19	74	30145	21.200	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39055	19.192	ug/l	98
10) Methyl Iodide	2.51	142	60432	20.933	ug/l	99
11) Tert butyl alcohol	3.07	59	61160	112.450	ug/l	99
12) 1,1-Dichloroethene	2.38	96	39916	20.350	ug/l	98
13) Acrolein	2.30	56	27195	89.352	ug/l	98
14) Allyl chloride	2.73	41	78038	18.933	ug/l	99
15) Acrylonitrile	3.15	53	141670	103.196	ug/l	99
16) Acetone	2.45	43	116840	83.001	ug/l	99
17) Carbon Disulfide	2.57	76	116808	19.334	ug/l	99
18) Methyl Acetate	2.78	43	65978	22.062	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	147536	21.863	ug/l	99
20) Methylene Chloride	2.86	84	46682	20.837	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	42829	19.844	ug/l	98
22) Diisopropyl ether	3.87	45	155610	20.595	ug/l	99
23) Vinyl Acetate	3.82	43	649516	98.030	ug/l	98
24) 1,1-Dichloroethane	3.70	63	83624	20.566	ug/l	100
25) 2-Butanone	4.70	43	192196	96.439	ug/l	100
26) 2,2-Dichloropropane	4.59	77	39950	14.830	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	50668	20.516	ug/l	96
28) Bromochloromethane	5.02	49	39972	21.087	ug/l	98
29) Tetrahydrofuran	5.15	42	128761	103.579	ug/l	99
30) Chloroform	5.21	83	80196	20.851	ug/l	99
31) Cyclohexane	5.57	56	69803	18.679	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	65972	20.673	ug/l	99
36) 1,1-Dichloropropene	5.80	75	58140	18.559	ug/l	99
37) Ethyl Acetate	4.85	43	71757	19.302	ug/l	98
38) Carbon Tetrachloride	5.78	117	56918	19.138	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66712	17.575	ug/l	99
40) Benzene	6.15	78	187605	20.116	ug/l	100
41) Methacrylonitrile	5.06	41	41540	20.495	ug/l	99
42) 1,2-Dichloroethane	6.20	62	61766	20.252	ug/l	100
43) Isopropyl Acetate	6.46	43	109721	19.943	ug/l	99
44) Trichloroethene	7.21	130	51683	20.109	ug/l	100
45) 1,2-Dichloropropane	7.51	63	50405	20.463	ug/l	98
46) Dibromomethane	7.66	93	32025	20.544	ug/l	99
47) Bromodichloromethane	7.90	83	57288	19.384	ug/l	98
48) Methyl methacrylate	7.77	41	57770	19.972	ug/l	98
49) 1,4-Dioxane	7.75	88	24112	405.785	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	362882	102.561	ug/l	99
52) Toluene	8.78	92	114755	20.154	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57595	18.671	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66292	19.030	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48740	21.146	ug/l	98
56) Ethyl methacrylate	9.18	69	71403	20.632	ug/l	98
57) 1,3-Dichloropropane	9.37	76	79918	20.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	197174	110.144	ug/l	99
59) 2-Hexanone	9.49	43	273295	99.489	ug/l	100
60) Dibromochloromethane	9.58	129	48558	20.155	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50378	20.586	ug/l	99
64) Tetrachloroethene	9.34	164	52744	21.181	ug/l	98
65) Chlorobenzene	10.13	112	124834	19.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	45870	20.354	ug/l	99
67) Ethyl Benzene	10.25	91	204567	19.763	ug/l	100
68) m/p-Xylenes	10.36	106	157239	39.411	ug/l	99
69) o-Xylene	10.69	106	77309	20.070	ug/l	100
70) Styrene	10.71	104	127459	20.221	ug/l	100
71) Bromoform	10.85	173	37407	19.328	ug/l #	99
73) Isopropylbenzene	11.02	105	205436	20.501	ug/l	100
74) N-amyl acetate	10.90	43	91462	19.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70698	20.454	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	67654m	21.760	ug/l	
77) Bromobenzene	11.26	156	56254	20.476	ug/l	98
78) n-propylbenzene	11.36	91	221372	19.914	ug/l	100
79) 2-Chlorotoluene	11.42	91	136760	20.121	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	168456	20.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17557	18.051	ug/l	95
82) 4-Chlorotoluene	11.51	91	155005	19.900	ug/l	100
83) tert-Butylbenzene	11.77	119	164122	19.756	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	172751	20.433	ug/l	99
85) sec-Butylbenzene	11.94	105	196852	20.119	ug/l	99
86) p-Isopropyltoluene	12.06	119	177111	20.212	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	96312	19.816	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	96536	19.395	ug/l	99
89) n-Butylbenzene	12.38	91	139048	18.730	ug/l	100
90) Hexachloroethane	12.60	117	27691	18.901	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	96865	20.062	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14341	19.853	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	66038	19.469	ug/l	99
94) Hexachlorobutadiene	13.78	225	34213	19.293	ug/l	98
95) Naphthalene	13.83	128	201723	20.640	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	67172	19.880	ug/l	98

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

