

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008112.D
 Acq On : 15 Mar 2019 18:09
 Operator : JC/SP
 Sample : VX0315WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:22 AM

Quant Time: Mar 16 01:20:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	120067	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
35) Dibromofluoromethane	5.51	113	112098	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	8.71	98	413641	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.13	95	145271	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	35696	16.950	ug/l	100
3) Chloromethane	1.33	50	33104	13.350	ug/l	99
4) Vinyl Chloride	1.41	62	34844	14.727	ug/l	98
5) Bromomethane	1.64	94	22096	18.232	ug/l	97
6) Chloroethane	1.73	64	21886	16.723	ug/l	96
7) Trichlorofluoromethane	1.93	101	47558	16.748	ug/l	100
8) Diethyl Ether	2.20	74	25469	18.043	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39465	18.595	ug/l	97
10) Methyl Iodide	2.51	142	56050	18.905	ug/l	96
11) Tert butyl alcohol	3.07	59	51167	99.791	ug/l	100
12) 1,1-Dichloroethene	2.38	96	37315	18.602	ug/l	88
13) Acrolein	2.30	56	35934	76.083	ug/l	98
14) Allyl chloride	2.73	41	63053	17.257	ug/l	95
15) Acrylonitrile	3.15	53	114488	91.569	ug/l	98
16) Acetone	2.45	43	112108	89.476	ug/l	97
17) Carbon Disulfide	2.57	76	103297	17.935	ug/l	97
18) Methyl Acetate	2.78	43	52145	19.256	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	123903	18.269	ug/l	99
20) Methylene Chloride	2.86	84	40536	18.115	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	39588	18.317	ug/l	91
22) Diisopropyl ether	3.87	45	127117	17.507	ug/l	97
23) Vinyl Acetate	3.82	43	550945	89.218	ug/l	97
24) 1,1-Dichloroethane	3.70	63	73262	18.406	ug/l	98
25) 2-Butanone	4.70	43	174954	90.971	ug/l	94
26) 2,2-Dichloropropane	4.59	77	53234	17.506	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	47321	18.419	ug/l	94
28) Bromochloromethane	5.02	49	33257	17.691	ug/l	84
29) Tetrahydrofuran	5.16	42	108316	90.222	ug/l	93
30) Chloroform	5.21	83	73032	18.114	ug/l	99
31) Cyclohexane	5.57	56	65429	17.242	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	61740	18.180	ug/l	98
36) 1,1-Dichloropropene	5.80	75	54096	17.883	ug/l	97
37) Ethyl Acetate	4.86	43	60293	18.545	ug/l	97
38) Carbon Tetrachloride	5.79	117	54592	18.749	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67590	17.480	ug/l	98
40) Benzene	6.14	78	168824	18.217	ug/l	98
41) Methacrylonitrile	5.06	41	33473	17.683	ug/l	94
42) 1,2-Dichloroethane	6.20	62	54576	18.409	ug/l	99
43) Isopropyl Acetate	6.46	43	91994	17.570	ug/l	97
44) Trichloroethene	7.21	130	48670	18.198	ug/l	98
45) 1,2-Dichloropropane	7.52	63	43458	17.775	ug/l	99
46) Dibromomethane	7.66	93	28809	18.800	ug/l	96
47) Bromodichloromethane	7.90	83	52383	17.975	ug/l	98
48) Methyl methacrylate	7.77	41	48054	17.573	ug/l	94
49) 1,4-Dioxane	7.75	88	23872	404.753	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	307776	89.190	ug/l	96
52) Toluene	8.79	92	104767	17.785	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	55570	17.394	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	62892	17.713	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	44139	18.402	ug/l	98
56) Ethyl methacrylate	9.18	69	63886	18.031	ug/l	93
57) 1,3-Dichloropropane	9.37	76	71655	18.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	183202	87.893	ug/l	96
59) 2-Hexanone	9.49	43	241785	89.591	ug/l	96
60) Dibromochloromethane	9.59	129	45126	18.254	ug/l	99
61) 1,2-Dibromoethane	9.67	107	46553	18.523	ug/l	100
64) Tetrachloroethene	9.34	164	48977	18.548	ug/l	98
65) Chlorobenzene	10.14	112	119000	18.401	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	43108	18.782	ug/l	100
67) Ethyl Benzene	10.25	91	192565	17.989	ug/l	100
68) m/p-Xylenes	10.36	106	151918	37.089	ug/l	98
69) o-Xylene	10.69	106	74114	18.561	ug/l	98
70) Styrene	10.71	104	120777	18.464	ug/l	98
71) Bromoform	10.85	173	36192	19.055	ug/l #	99
73) Isopropylbenzene	11.02	105	200295	18.740	ug/l	100
74) N-amyl acetate	10.90	43	75776	16.807	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	65144	18.602	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	62395m	21.530	ug/l	
77) Bromobenzene	11.26	156	54668	18.739	ug/l	94
78) n-propylbenzene	11.36	91	213374	18.197	ug/l	99
79) 2-Chlorotoluene	11.42	91	130413	18.211	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	165317	18.771	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18196	17.867	ug/l	98
82) 4-Chlorotoluene	11.51	91	148636	18.123	ug/l	97
83) tert-Butylbenzene	11.77	119	162404	18.401	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	169549	18.663	ug/l	100
85) sec-Butylbenzene	11.94	105	194739	18.519	ug/l	100
86) p-Isopropyltoluene	12.06	119	176533	18.563	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	96532	18.592	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	96862	18.372	ug/l	99
89) n-Butylbenzene	12.38	91	139128	17.484	ug/l	98
90) Hexachloroethane	12.60	117	26669	17.522	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	97673	18.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13486	19.047	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	67525	18.505	ug/l	99
94) Hexachlorobutadiene	13.78	225	37526	18.929	ug/l	99
95) Naphthalene	13.83	128	199994	19.492	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	68871	19.173	ug/l	100

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

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