

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011501.D
 Acq On : 12 Aug 2019 22:53
 Operator : JC/SP
 Sample : VX0812WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:12:31 AM

Quant Time: Aug 13 09:04:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	222766	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	206656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105748	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	83801	56.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.80%	
35) Dibromofluoromethane	5.49	113	72239	49.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.34%	
50) Toluene-d8	8.71	98	267115	48.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.13	95	95307	48.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	21029	18.619	ug/l	98
3) Chloromethane	1.32	50	22749	17.936	ug/l	99
4) Vinyl Chloride	1.40	62	25194	18.058	ug/l	92
5) Bromomethane	1.63	94	19458	19.555	ug/l	98
6) Chloroethane	1.71	64	17300	18.372	ug/l	98
7) Trichlorofluoromethane	1.92	101	45098	18.180	ug/l	98
8) Diethyl Ether	2.18	74	16340	18.447	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26135	19.471	ug/l	98
10) Methyl Iodide	2.50	142	25905	15.308	ug/l	95
11) Tert butyl alcohol	3.04	59	33366	113.630	ug/l	99
12) 1,1-Dichloroethene	2.37	96	24614	18.499	ug/l	89
13) Acrolein	2.29	56	15158	82.774	ug/l	93
14) Allyl chloride	2.72	41	37615	21.206	ug/l	95
15) Acrylonitrile	3.13	53	77974	111.266	ug/l	99
16) Acetone	2.43	43	70041	99.919	ug/l	97
17) Carbon Disulfide	2.56	76	53182	17.033	ug/l	99
18) Methyl Acetate	2.76	43	37557	23.445	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	85705	21.858	ug/l	96
20) Methylene Chloride	2.85	84	30370	19.783	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	26894	19.108	ug/l	94
22) Diisopropyl ether	3.85	45	83601	21.444	ug/l	93
23) Vinyl Acetate	3.81	43	347862	107.583	ug/l	98
24) 1,1-Dichloroethane	3.69	63	48552	21.121	ug/l	99
25) 2-Butanone	4.67	43	106887	107.193	ug/l	98
26) 2,2-Dichloropropane	4.58	77	30086	16.836	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	32807	20.237	ug/l	99
28) Bromochloromethane	5.01	49	21506	20.521	ug/l	99
29) Tetrahydrofuran	5.13	42	65822	107.658	ug/l	100
30) Chloroform	5.21	83	54020	21.621	ug/l	99
31) Cyclohexane	5.57	56	36237	19.107	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	46516	21.734	ug/l	98
36) 1,1-Dichloropropene	5.79	75	37327	19.192	ug/l	99
37) Ethyl Acetate	4.82	43	39678	20.338	ug/l	98
38) Carbon Tetrachloride	5.77	117	39116	19.990	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39396	17.088	ug/l	96
40) Benzene	6.13	78	111196	19.159	ug/l	98
41) Methacrylonitrile	5.04	41	22295	20.925	ug/l	96
42) 1,2-Dichloroethane	6.19	62	42470	21.640	ug/l	99
43) Isopropyl Acetate	6.44	43	62324	19.981	ug/l	99
44) Trichloroethene	7.21	130	32931	18.745	ug/l	95
45) 1,2-Dichloropropane	7.51	63	29203	19.428	ug/l	97
46) Dibromomethane	7.66	93	21733	19.806	ug/l	95
47) Bromodichloromethane	7.89	83	37722	20.305	ug/l	97
48) Methyl methacrylate	7.77	41	31451	21.426	ug/l	96
49) 1,4-Dioxane	7.74	88	17084	401.453	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	216094	107.352	ug/l	99
52) Toluene	8.78	92	75500	19.675	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	37023	18.979	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	41709	19.219	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	32250	20.440	ug/l	98
56) Ethyl methacrylate	9.18	69	44978	20.005	ug/l	96
57) 1,3-Dichloropropane	9.37	76	50175	20.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	105320	95.268	ug/l	99
59) 2-Hexanone	9.49	43	168794	108.260	ug/l	97
60) Dibromochloromethane	9.58	129	31875	19.733	ug/l	99
61) 1,2-Dibromoethane	9.67	107	33823	19.842	ug/l	99
64) Tetrachloroethene	9.33	164	33568	19.127	ug/l	96
65) Chlorobenzene	10.13	112	84542	19.080	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	30679	20.224	ug/l	99
67) Ethyl Benzene	10.25	91	143205	19.298	ug/l	99
68) m/p-Xylenes	10.35	106	109422	38.122	ug/l	97
69) o-Xylene	10.69	106	52613	18.656	ug/l	95
70) Styrene	10.71	104	90155	19.320	ug/l	97
71) Bromoform	10.85	173	22667	18.600	ug/l #	98
73) Isopropylbenzene	11.02	105	144431	19.970	ug/l	99
74) N-amyl acetate	10.90	43	55029	21.057	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	51190	21.239	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	41795m	21.703	ug/l	
77) Bromobenzene	11.25	156	39623	19.757	ug/l	96
78) n-propylbenzene	11.36	91	157156	19.540	ug/l	99
79) 2-Chlorotoluene	11.42	91	97169	20.270	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	120835	19.959	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	10909	18.284	ug/l	90
82) 4-Chlorotoluene	11.51	91	111937	20.036	ug/l	98
83) tert-Butylbenzene	11.77	119	119594	20.141	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	122120	20.259	ug/l	97
85) sec-Butylbenzene	11.94	105	138772	19.452	ug/l	99
86) p-Isopropyltoluene	12.06	119	127655	19.450	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	68919	19.449	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	68597	18.773	ug/l	97
89) n-Butylbenzene	12.38	91	103488	18.302	ug/l	99
90) Hexachloroethane	12.59	117	18398	18.961	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	69367	19.483	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9819	21.028	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	43877	18.582	ug/l	99
94) Hexachlorobutadiene	13.78	225	22028	18.388	ug/l	97
95) Naphthalene	13.83	128	133893	19.390	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44294	18.452	ug/l	99

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

