

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\
 Data File : VX007417.D
 Acq On : 07 Feb 2019 11:36
 Operator : JC/SP
 Sample : VX0207WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:27:54 PM

Quant Time: Feb 08 22:12:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	482976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	709034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	655871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	331229	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	249931	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	5.50	113	225111	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	8.71	98	836039	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	296173	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	119584	20.255	ug/l	96
3) Chloromethane	1.33	50	107600	19.779	ug/l	100
4) Vinyl Chloride	1.41	62	108676	20.363	ug/l	100
5) Bromomethane	1.64	94	110032	20.563	ug/l	96
6) Chloroethane	1.73	64	68840	19.940	ug/l	99
7) Trichlorofluoromethane	1.93	101	168658	20.202	ug/l	99
8) Diethyl Ether	2.19	74	63297	20.143	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98324	19.799	ug/l	98
10) Methyl Iodide	2.51	142	134573	18.421	ug/l	99
11) Tert butyl alcohol	3.07	59	123135	116.065	ug/l	98
12) 1,1-Dichloroethene	2.37	96	89966	19.509	ug/l	96
13) Acrolein	2.30	56	55527	111.614	ug/l	97
14) Allyl chloride	2.73	41	152641	20.315	ug/l	99
15) Acrylonitrile	3.15	53	278241	106.018	ug/l	99
16) Acetone	2.45	43	259455	110.488	ug/l	99
17) Carbon Disulfide	2.57	76	212265	18.977	ug/l	99
18) Methyl Acetate	2.78	43	144747	23.970	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	303812	20.336	ug/l	100
20) Methylene Chloride	2.86	84	102300	21.101	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	95152	19.370	ug/l	97
22) Diisopropyl ether	3.87	45	281781	20.388	ug/l	97
23) Vinyl Acetate	3.82	43	1172295	102.214	ug/l	100
24) 1,1-Dichloroethane	3.70	63	160480	20.219	ug/l	99
25) 2-Butanone	4.70	43	361577	108.196	ug/l	98
26) 2,2-Dichloropropane	4.59	77	120710	19.970	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	102882	19.175	ug/l	99
28) Bromochloromethane	5.02	49	72179	19.775	ug/l	98
29) Tetrahydrofuran	5.15	42	231426	110.108	ug/l	99
30) Chloroform	5.21	83	167295	20.199	ug/l	98
31) Cyclohexane	5.57	56	136085	19.090	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	141907	20.298	ug/l	100
36) 1,1-Dichloropropene	5.80	75	120544	18.948	ug/l	100
37) Ethyl Acetate	4.85	43	131104	20.387	ug/l	98
38) Carbon Tetrachloride	5.78	117	124009	20.093	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148233	19.258	ug/l	100
40) Benzene	6.14	78	375126	20.018	ug/l	98
41) Methacrylonitrile	5.06	41	72700	21.093	ug/l	99
42) 1,2-Dichloroethane	6.20	62	129612	19.990	ug/l	99
43) Isopropyl Acetate	6.46	43	207274	20.881	ug/l	100
44) Trichloroethene	7.21	130	106734	18.911	ug/l	95
45) 1,2-Dichloropropane	7.51	63	93998	20.020	ug/l	100
46) Dibromomethane	7.66	93	65633	19.233	ug/l	99
47) Bromodichloromethane	7.90	83	112408	19.436	ug/l	98
48) Methyl methacrylate	7.77	41	106980	21.547	ug/l	99
49) 1,4-Dioxane	7.75	88	52415	467.886	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	701249	107.315	ug/l	100
52) Toluene	8.79	92	241571	19.980	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	122294	19.686	ug/l	95
54) cis-1,3-Dichloropropene	8.44	75	139598	20.434	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	102384	20.315	ug/l	98
56) Ethyl methacrylate	9.18	69	143673	20.582	ug/l	97
57) 1,3-Dichloropropane	9.37	76	160051	19.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	382227	103.888	ug/l	99
59) 2-Hexanone	9.49	43	543234	106.832	ug/l	100
60) Dibromochloromethane	9.58	129	95670	20.071	ug/l	97
61) 1,2-Dibromoethane	9.67	107	110665	20.734	ug/l	100
64) Tetrachloroethene	9.34	164	113250	18.320	ug/l	98
65) Chlorobenzene	10.14	112	276463	19.316	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	97486	20.316	ug/l	99
67) Ethyl Benzene	10.25	91	454624	19.725	ug/l	100
68) m/p-Xylenes	10.36	106	356732	38.936	ug/l	99
69) o-Xylene	10.70	106	174283	19.769	ug/l	99
70) Styrene	10.71	104	280734	19.635	ug/l	99
71) Bromoform	10.86	173	70072	19.337	ug/l #	99
73) Isopropylbenzene	11.02	105	470734	20.913	ug/l	100
74) N-amyl acetate	10.90	43	179026	20.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	148920	21.709	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	122632m	19.034	ug/l	
77) Bromobenzene	11.26	156	127522	20.108	ug/l	99
78) n-propylbenzene	11.36	91	513314	20.797	ug/l	100
79) 2-Chlorotoluene	11.42	91	304736	20.347	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	377979	20.526	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	38399	21.092	ug/l	95
82) 4-Chlorotoluene	11.51	91	348433	20.106	ug/l	99
83) tert-Butylbenzene	11.77	119	371800	20.393	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	393045	21.024	ug/l	99
85) sec-Butylbenzene	11.94	105	454866	20.614	ug/l	100
86) p-Isopropyltoluene	12.06	119	403451	20.254	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	222096	19.513	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	225428	19.522	ug/l	98
89) n-Butylbenzene	12.39	91	333121	19.441	ug/l	99
90) Hexachloroethane	12.60	117	58952	19.775	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	222870	19.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29518	20.695	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	148858	19.487	ug/l	99
94) Hexachlorobutadiene	13.78	225	71472	19.269	ug/l	98
95) Naphthalene	13.83	128	456406	20.432	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149116	19.393	ug/l	100

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

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