

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015926.D
 Acq On : 24 Apr 2020 11:50
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/27/2020 11:37:11 AM

Quant Time: Apr 24 12:48:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 12:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	148179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	274439	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	258649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	122550	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	37852	18.32	ug/l	0.00
Spiked Amount						
			Recovery	=	36.64%	
35) Dibromofluoromethane	5.47	113	28114	18.41	ug/l	0.00
Spiked Amount						
			Recovery	=	36.82%	
50) Toluene-d8	8.70	98	116286	18.84	ug/l	0.00
Spiked Amount						
			Recovery	=	37.68%	
62) 4-Bromofluorobenzene	11.12	95	45469	17.36	ug/l	0.00
Spiked Amount						
			Recovery	=	34.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	32678	20.989	ug/l	99
3) Chloromethane	1.31	50	30799	19.215	ug/l	96
4) Vinyl Chloride	1.39	62	42286	20.399	ug/l	98
5) Bromomethane	1.63	94	19674	21.232	ug/l	93
6) Chloroethane	1.72	64	25113	19.717	ug/l	98
7) Trichlorofluoromethane	1.92	101	48861	19.673	ug/l	99
8) Diethyl Ether	2.17	74	22414	18.782	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30750	19.687	ug/l	99
10) Methyl Iodide	2.49	142	29100	19.509	ug/l	99
11) Tert butyl alcohol	3.01	59	41723	97.547	ug/l	100
12) 1,1-Dichloroethene	2.36	96	31723	19.410	ug/l	95
13) Acrolein	2.28	56	26031	92.081	ug/l	98
14) Allyl chloride	2.71	41	56790	19.519	ug/l	100
15) Acrylonitrile	3.12	53	95863	101.550	ug/l	100
16) Acetone	2.42	43	74768	97.570	ug/l	97
17) Carbon Disulfide	2.55	76	90000	17.192	ug/l	98
18) Methyl Acetate	2.75	43	45105	19.650	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	117316	20.131	ug/l	100
20) Methylene Chloride	2.84	84	37001	19.512	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	36301	19.883	ug/l	96
22) Diisopropyl ether	3.82	45	111879	19.548	ug/l	98
23) Vinyl Acetate	3.79	43	469678	101.156	ug/l	99
24) 1,1-Dichloroethane	3.67	63	64969	19.951	ug/l	100
25) 2-Butanone	4.64	43	124043	101.064	ug/l	99
26) 2,2-Dichloropropane	4.55	77	57017	19.619	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	40281	19.390	ug/l	99
28) Bromochloromethane	4.98	49	28218	19.428	ug/l	99
29) Tetrahydrofuran	5.09	42	81483	99.897	ug/l	100
30) Chloroform	5.18	83	64705	20.101	ug/l	99
31) Cyclohexane	5.55	56	58763	19.847	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	57657	19.749	ug/l	100
36) 1,1-Dichloropropene	5.77	75	49321	18.996	ug/l	99
37) Ethyl Acetate	4.80	43	49809	19.164	ug/l	98
38) Carbon Tetrachloride	5.76	117	46018	19.660	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	61256	19.596	ug/l	98
40) Benzene	6.12	78	149535	19.855	ug/l	99
41) Methacrylonitrile	5.01	41	28003	18.783	ug/l	100
42) 1,2-Dichloroethane	6.17	62	53462	20.250	ug/l	99
43) Isopropyl Acetate	6.42	43	84854	20.214	ug/l	100
44) Trichloroethene	7.19	130	46467	19.854	ug/l	100
45) 1,2-Dichloropropane	7.49	63	38408	19.969	ug/l	99
46) Dibromomethane	7.64	93	25852	20.066	ug/l	99
47) Bromodichloromethane	7.88	83	51352	19.884	ug/l	99
48) Methyl methacrylate	7.74	41	40277	19.473	ug/l	99
49) 1,4-Dioxane	7.71	88	17790	395.739	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	251214	103.551	ug/l	99
52) Toluene	8.77	92	94457	19.792	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	62435	19.992	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	65253	19.988	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	37635	19.693	ug/l	99
56) Ethyl methacrylate	9.16	69	60360	20.264	ug/l	98
57) 1,3-Dichloropropane	9.35	76	66162	20.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	152609	103.046	ug/l	99
59) 2-Hexanone	9.48	43	189530	103.987	ug/l	100
60) Dibromochloromethane	9.57	129	37682	20.616	ug/l	99
61) 1,2-Dibromoethane	9.65	107	38993	19.914	ug/l	99
64) Tetrachloroethene	9.32	164	50132	19.518	ug/l	97
65) Chlorobenzene	10.12	112	100918	20.051	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	35064	19.871	ug/l	99
67) Ethyl Benzene	10.24	91	182958	19.642	ug/l	98
68) m/p-Xylenes	10.34	106	136456	40.256	ug/l	99
69) o-Xylene	10.68	106	65721	19.900	ug/l	99
70) Styrene	10.70	104	113619	20.405	ug/l	99
71) Bromoform	10.84	173	22709	20.215	ug/l #	97
73) Isopropylbenzene	11.01	105	175609	19.583	ug/l	100
74) N-amyl acetate	10.88	43	77259	20.305	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	39731	20.349	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	52537m	16.395	ug/l	
77) Bromobenzene	11.24	156	39756	19.754	ug/l	99
78) n-propylbenzene	11.35	91	206890	19.620	ug/l	100
79) 2-Chlorotoluene	11.40	91	122021	19.851	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	149910	19.956	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	21028	20.125	ug/l	97
82) 4-Chlorotoluene	11.49	91	145601	19.830	ug/l	99
83) tert-Butylbenzene	11.76	119	125387	19.735	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	151910	19.702	ug/l	100
85) sec-Butylbenzene	11.93	105	169224	19.616	ug/l	98
86) p-Isopropyltoluene	12.05	119	156435	19.897	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	73471	19.842	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	73544	19.570	ug/l	98
89) n-Butylbenzene	12.37	91	145932	19.808	ug/l	100
90) Hexachloroethane	12.58	117	22983	19.681	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	72390	20.036	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	12142	19.278	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	43299	18.890	ug/l	98
94) Hexachlorobutadiene	13.77	225	15593	19.079	ug/l	98
95) Naphthalene	13.82	128	167173	20.220	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	43008	19.871	ug/l	97

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

