

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014009.D
 Acq On : 13 Dec 2019 15:36
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:46:00 PM

Quant Time: Dec 13 16:53:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	561172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	855896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	385975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	116759	17.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.80%	
35) Dibromofluoromethane	5.49	113	94491	17.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.52%	
50) Toluene-d8	8.71	98	377231	18.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.28%	
62) 4-Bromofluorobenzene	11.13	95	132465	17.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	100145	16.693	ug/l	99
3) Chloromethane	1.32	50	134379	19.355	ug/l	100
4) Vinyl Chloride	1.40	62	138115	17.985	ug/l	99
5) Bromomethane	1.63	94	97452	18.548	ug/l	98
6) Chloroethane	1.70	64	84586	18.891	ug/l	90
7) Trichlorofluoromethane	1.92	101	171935	19.562	ug/l	98
8) Diethyl Ether	2.18	74	78262	19.701	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	103036	19.274	ug/l	98
10) Methyl Iodide	2.50	142	121438	18.704	ug/l	98
11) Tert butyl alcohol	3.04	59	130340	83.396	ug/l	99
12) 1,1-Dichloroethene	2.36	96	103108	19.340	ug/l	95
13) Acrolein	2.28	56	69453	75.486	ug/l	100
14) Allyl chloride	2.72	41	188334	19.482	ug/l	99
15) Acrylonitrile	3.13	53	314077	95.565	ug/l	99
16) Acetone	2.44	43	442352	130.969	ug/l	99
17) Carbon Disulfide	2.56	76	289015	18.978	ug/l	99
18) Methyl Acetate	2.76	43	157554	18.036	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	347847	19.657	ug/l	97
20) Methylene Chloride	2.85	84	122540	19.786	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	112594	19.351	ug/l	98
22) Diisopropyl ether	3.84	45	379412	20.286	ug/l	98
23) Vinyl Acetate	3.80	43	1591288	102.476	ug/l	100
24) 1,1-Dichloroethane	3.69	63	202585	19.815	ug/l	98
25) 2-Butanone	4.66	43	531013	110.165	ug/l	100
26) 2,2-Dichloropropane	4.57	77	159499	18.932	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	129255	19.357	ug/l	98
28) Bromochloromethane	5.00	49	83871	23.237	ug/l	99
29) Tetrahydrofuran	5.12	42	278007	95.681	ug/l	98
30) Chloroform	5.20	83	198154	19.149	ug/l	100
31) Cyclohexane	5.57	56	188485	19.501	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	165760	19.179	ug/l	100
36) 1,1-Dichloropropene	5.79	75	150043	19.299	ug/l	99
37) Ethyl Acetate	4.82	43	176262	20.322	ug/l	100
38) Carbon Tetrachloride	5.78	117	137619	19.190	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188922	19.624	ug/l	99
40) Benzene	6.14	78	467882	19.717	ug/l	99
41) Methacrylonitrile	5.03	41	98272	20.757	ug/l	97
42) 1,2-Dichloroethane	6.18	62	164380	20.343	ug/l	98
43) Isopropyl Acetate	6.43	43	278854	19.464	ug/l	99
44) Trichloroethene	7.20	130	123460	19.026	ug/l	97
45) 1,2-Dichloropropane	7.51	63	121446	20.417	ug/l	98
46) Dibromomethane	7.65	93	77866	19.342	ug/l	99
47) Bromodichloromethane	7.89	83	146845	19.300	ug/l	98
48) Methyl methacrylate	7.76	41	138872	19.994	ug/l	99
49) 1,4-Dioxane	7.74	88	57224	374.066	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	901825	100.248	ug/l	99
52) Toluene	8.78	92	297851	20.179	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	163783	18.924	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	186886	19.745	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	122064	20.547	ug/l	97
56) Ethyl methacrylate	9.17	69	190229	19.884	ug/l	99
57) 1,3-Dichloropropane	9.37	76	201576	19.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	369372	98.492	ug/l	99
59) 2-Hexanone	9.49	43	751678	106.184	ug/l	98
60) Dibromochloromethane	9.58	129	118485	19.287	ug/l	98
61) 1,2-Dibromoethane	9.67	107	123768	19.532	ug/l	100
64) Tetrachloroethene	9.33	164	124901	20.900	ug/l	98
65) Chlorobenzene	10.14	112	318103	19.673	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	114466	19.771	ug/l	98
67) Ethyl Benzene	10.24	91	554140	19.966	ug/l	99
68) m/p-Xylenes	10.35	106	423145	39.768	ug/l	99
69) o-Xylene	10.70	106	206600	19.910	ug/l	99
70) Styrene	10.71	104	348489	19.907	ug/l	99
71) Bromoform	10.85	173	86794	18.175	ug/l #	100
73) Isopropylbenzene	11.01	105	544940	20.101	ug/l	100
74) N-amyl acetate	10.89	43	252737	20.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	188950	20.130	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	171818m	19.876	ug/l	
77) Bromobenzene	11.25	156	143527	19.642	ug/l	97
78) n-propylbenzene	11.35	91	609085	20.092	ug/l	100
79) 2-Chlorotoluene	11.42	91	367875	20.172	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	457399	20.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55573	17.623	ug/l	92
82) 4-Chlorotoluene	11.51	91	420244	19.957	ug/l	99
83) tert-Butylbenzene	11.76	119	442556	19.713	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	457262	20.233	ug/l	100
85) sec-Butylbenzene	11.94	105	513400	19.872	ug/l	100
86) p-Isopropyltoluene	12.06	119	475332	19.806	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	249596	19.556	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	246732	18.953	ug/l	99
89) n-Butylbenzene	12.38	91	390195	19.038	ug/l	99
90) Hexachloroethane	12.59	117	82875	19.051	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	251890	19.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37989	18.769	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	156382	17.900	ug/l	98
94) Hexachlorobutadiene	13.78	225	74336	17.583	ug/l	97
95) Naphthalene	13.83	128	485683	18.715	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	159787	18.389	ug/l	99

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

