

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052620\
 Data File : VX016428.D
 Acq On : 26 May 2020 15:54
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/27/2020 12:27:47 PM

Quant Time: May 26 16:16:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 15:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	133395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	231453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	213423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	95341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	9639	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	
35) Dibromofluoromethane	5.48	113	7812	5.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	10.52%	
50) Toluene-d8	8.70	98	25950	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	
62) 4-Bromofluorobenzene	11.12	95	9435	4.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	5136	3.795	ug/l	95
3) Chloromethane	1.31	50	7425	4.649	ug/l	95
4) Vinyl Chloride	1.39	62	10117	5.741	ug/l	99
5) Bromomethane	1.62	94	15065	13.118	ug/l	99
6) Chloroethane	1.70	64	7432	6.793	ug/l	96
7) Trichlorofluoromethane	1.91	101	17426	7.270	ug/l	97
8) Diethyl Ether	2.17	74	7538	7.519	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	7459	5.697	ug/l	97
10) Methyl Iodide	2.49	142	4647	2.761	ug/l	97
11) Tert butyl alcohol	3.02	59	11861	27.365	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	7424	5.421	ug/l	89
13) Acrolein	2.27	56	8723	33.141	ug/l	97
14) Allyl chloride	2.70	41	12225	4.943	ug/l	93
15) Acrylonitrile	3.12	53	22103	24.480	ug/l	97
16) Acetone	2.42	43	20032	26.057	ug/l	99
17) Carbon Disulfide	2.55	76	22456	4.825	ug/l	100
18) Methyl Acetate	2.75	43	9908	5.245	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	24790	5.222	ug/l	95
20) Methylene Chloride	2.83	84	8850	5.531	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	8215	5.308	ug/l	94
22) Diisopropyl ether	3.82	45	23172	4.893	ug/l	96
23) Vinyl Acetate	3.79	43	100350	24.128	ug/l	99
24) 1,1-Dichloroethane	3.67	63	14472	5.426	ug/l #	95
25) 2-Butanone	4.64	43	31167	25.129	ug/l	94
26) 2,2-Dichloropropane	4.55	77	12861	5.267	ug/l	96
27) cis-1,2-Dichloroethene	4.56	96	9565	5.633	ug/l	99
28) Bromochloromethane	4.98	49	7086	5.801	ug/l	86
29) Tetrahydrofuran	5.10	42	19490	23.748	ug/l	97
30) Chloroform	5.18	83	14654	5.465	ug/l	97
31) Cyclohexane	5.55	56	12212	5.126	ug/l	91
32) 1,1,1-Trichloroethane	5.46	97	13309	5.443	ug/l	95
36) 1,1-Dichloropropene	5.76	75	11030	4.871	ug/l	97
37) Ethyl Acetate	4.80	43	12180	4.716	ug/l #	93
38) Carbon Tetrachloride	5.76	117	11222	4.855	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	11884	4.434	ug/l	97
40) Benzene	6.12	78	31867	4.803	ug/l	95
41) Methacrylonitrile	5.01	41	6514	4.673	ug/l	95
42) 1,2-Dichloroethane	6.17	62	12412	5.200	ug/l	98
43) Isopropyl Acetate	6.42	43	19148	4.633	ug/l	97
44) Trichloroethene	7.20	130	10545	4.498	ug/l	92
45) 1,2-Dichloropropane	7.49	63	8301	4.981	ug/l	95
46) Dibromomethane	7.64	93	5802	5.036	ug/l	98
47) Bromodichloromethane	7.88	83	11809	5.075	ug/l	90
48) Methyl methacrylate	7.74	41	8238	4.230	ug/l	98
49) 1,4-Dioxane	7.71	88	4337	91.487	ug/l	91
51) 4-Methyl-2-Pentanone	8.62	43	58332	23.038	ug/l	97
52) Toluene	8.77	92	19366	4.663	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	13116	4.743	ug/l	94
54) cis-1,3-Dichloropropene	8.41	75	13406	4.660	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	8136	4.958	ug/l	96
56) Ethyl methacrylate	9.16	69	11101	4.209	ug/l	94
57) 1,3-Dichloropropane	9.35	76	13542	4.764	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	30890	22.043	ug/l	100
59) 2-Hexanone	9.48	43	43636	21.926	ug/l	99
60) Dibromochloromethane	9.57	129	8312	4.572	ug/l	95
61) 1,2-Dibromoethane	9.65	107	8626	4.839	ug/l	98
64) Tetrachloroethene	9.32	164	11537	4.460	ug/l	97
65) Chlorobenzene	10.12	112	21248	4.768	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	8258	4.999	ug/l	97
67) Ethyl Benzene	10.24	91	36831	4.660	ug/l	99
68) m/p-Xylenes	10.34	106	28382	9.558	ug/l	100
69) o-Xylene	10.68	106	13034	4.557	ug/l	93
70) Styrene	10.70	104	20821	4.304	ug/l	97
71) Bromoform	10.84	173	6007	4.456	ug/l #	97
73) Isopropylbenzene	11.01	105	34397	5.000	ug/l	99
74) N-amyl acetate	10.88	43	15052	4.776	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	8477	6.710	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	11283m	5.288	ug/l	
77) Bromobenzene	11.24	156	8463	4.735	ug/l	92
78) n-propylbenzene	11.34	91	39830	4.989	ug/l	96
79) 2-Chlorotoluene	11.40	91	23405	4.957	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	28356	4.885	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.06	75	4391	4.935	ug/l	89
82) 4-Chlorotoluene	11.49	91	28239	5.060	ug/l	95
83) tert-Butylbenzene	11.76	119	23643	4.729	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	28868	4.929	ug/l	96
85) sec-Butylbenzene	11.93	105	30566	4.569	ug/l	98
86) p-Isopropyltoluene	12.05	119	28227	4.556	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	15366	4.813	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	15701	4.843	ug/l	91
89) n-Butylbenzene	12.37	91	24901	4.424	ug/l	98
90) Hexachloroethane	12.58	117	4912	4.587	ug/l	92
91) 1,2-Dichlorobenzene	12.38	146	15563	5.037	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2745	4.878	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	9121	4.071	ug/l	96
94) Hexachlorobutadiene	13.76	225	3660	3.653	ug/l	91
95) Naphthalene	13.82	128	31126	4.242	ug/l	97
96) 1,2,3-Trichlorobenzene	14.00	180	8884	4.077	ug/l	93

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

