

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021020\
 Data File : VX014877.D
 Acq On : 10 Feb 2020 10:16
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 10:36:01 AM

Quant Time: Feb 10 11:40:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 11:22:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	462130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	687322	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	639944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	336472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	28068	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	
35) Dibromofluoromethane	5.49	113	22091	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	
50) Toluene-d8	8.71	98	82805	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	11.13	95	28291	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	19276	4.571	ug/l 99
3) Chloromethane	1.32	50	23294	4.787	ug/l 99
4) Vinyl Chloride	1.41	62	24231	4.604	ug/l 95
5) Bromomethane	1.64	94	15638	4.649	ug/l 100
6) Chloroethane	1.72	64	16889	4.909	ug/l 99
7) Trichlorofluoromethane	1.92	101	36725	4.957	ug/l 98
8) Diethyl Ether	2.18	74	15370	4.964	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	2.38	101	22055	5.040	ug/l 97
10) Methyl Iodide	2.51	142	10914	3.102	ug/l 94
11) Tert butyl alcohol	3.03	59	22350	24.820	ug/l # 93
12) 1,1-Dichloroethene	2.37	96	21231	5.078	ug/l 95
13) Acrolein	2.28	56	17895	25.772	ug/l 91
14) Allyl chloride	2.72	41	35211	4.712	ug/l 99
15) Acrylonitrile	3.13	53	57924	25.196	ug/l 96
16) Acetone	2.43	43	73207	22.544	ug/l 99
17) Carbon Disulfide	2.56	76	55460	4.791	ug/l 98
18) Methyl Acetate	2.76	43	26103	5.088	ug/l 98
19) Methyl tert-butyl Ether	3.19	73	66011	4.878	ug/l 98
20) Methylene Chloride	2.85	84	25285	4.911	ug/l 94
21) trans-1,2-Dichloroethene	3.16	96	23313	5.005	ug/l 97
22) Diisopropyl ether	3.84	45	70521	4.977	ug/l 97
23) Vinyl Acetate	3.81	43	298975	25.489	ug/l 98
24) 1,1-Dichloroethane	3.69	63	41011	5.095	ug/l 99
25) 2-Butanone	4.66	43	86366	24.566	ug/l 98
26) 2,2-Dichloropropane	4.57	77	35029	5.051	ug/l 98
27) cis-1,2-Dichloroethene	4.59	96	26523	5.134	ug/l 98
28) Bromochloromethane	5.01	49	15855	5.874	ug/l 92
29) Tetrahydrofuran	5.12	42	50469	25.665	ug/l 97
30) Chloroform	5.20	83	40392	5.047	ug/l 97
31) Cyclohexane	5.58	56	36097	5.120	ug/l 93
32) 1,1,1-Trichloroethane	5.49	97	34652	5.012	ug/l 97
36) 1,1-Dichloropropene	5.79	75	30517	5.051	ug/l 99
37) Ethyl Acetate	4.83	43	31933	5.060	ug/l # 95
38) Carbon Tetrachloride	5.77	117	29419	5.035	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	37330	4.898	ug/l	96
40) Benzene	6.14	78	93348	5.109	ug/l	97
41) Methacrylonitrile	5.03	41	16904	5.077	ug/l #	86
42) 1,2-Dichloroethane	6.18	62	34775	5.216	ug/l	96
43) Isopropyl Acetate	6.44	43	52487	5.108	ug/l	98
44) Trichloroethene	7.20	130	26149	4.935	ug/l	96
45) 1,2-Dichloropropane	7.51	63	24675	5.311	ug/l	100
46) Dibromomethane	7.65	93	15644	4.908	ug/l	99
47) Bromodichloromethane	7.89	83	29688	4.777	ug/l	96
48) Methyl methacrylate	7.76	41	26224	5.267	ug/l	92
49) 1,4-Dioxane	7.74	88	9085	94.161	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	158777	25.532	ug/l	98
52) Toluene	8.78	92	59327	5.150	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	33335	5.024	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	35421	4.753	ug/l #	95
55) 1,1,2-Trichloroethane	9.21	97	24119	5.164	ug/l	98
56) Ethyl methacrylate	9.17	69	33230	4.949	ug/l	97
57) 1,3-Dichloropropane	9.37	76	39729	5.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	90906	25.005	ug/l	99
59) 2-Hexanone	9.48	43	124076	25.567	ug/l	97
60) Dibromochloromethane	9.57	129	23347	4.819	ug/l	96
61) 1,2-Dibromoethane	9.67	107	25465	5.039	ug/l	94
64) Tetrachloroethene	9.33	164	29052	4.952	ug/l	96
65) Chlorobenzene	10.13	112	64919	5.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	23519	5.106	ug/l	97
67) Ethyl Benzene	10.25	91	108267	4.989	ug/l	99
68) m/p-Xylenes	10.36	106	82715	9.923	ug/l	99
69) o-Xylene	10.70	106	39593	4.957	ug/l	99
70) Styrene	10.71	104	65308	4.929	ug/l	100
71) Bromoform	10.85	173	17120	4.640	ug/l #	96
73) Isopropylbenzene	11.01	105	106486	5.072	ug/l	99
74) N-amyl acetate	10.89	43	38913	4.699	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	33921	4.907	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	32808m	4.511	ug/l	
77) Bromobenzene	11.25	156	29602	5.020	ug/l	96
78) n-propylbenzene	11.35	91	121496	5.023	ug/l	100
79) 2-Chlorotoluene	11.42	91	72675	5.077	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	86122	5.001	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9376	4.613	ug/l	86
82) 4-Chlorotoluene	11.51	91	83114	4.934	ug/l	99
83) tert-Butylbenzene	11.76	119	83578	5.064	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	85860	4.920	ug/l	100
85) sec-Butylbenzene	11.94	105	101703	4.972	ug/l	99
86) p-Isopropyltoluene	12.06	119	94283	4.947	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	52456	4.980	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	53039	5.021	ug/l	93
89) n-Butylbenzene	12.39	91	82519	4.891	ug/l	98
90) Hexachloroethane	12.59	117	15554	4.789	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	51821	5.033	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7676	4.689	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	36555	4.890	ug/l	98
94) Hexachlorobutadiene	13.78	225	18232	4.953	ug/l	98
95) Naphthalene	13.83	128	91817	4.747	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	35626	4.917	ug/l	97

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

