

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004465.D
 Acq On : 11 Sep 2018 13:00
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:07 AM

Quant Time: Sep 12 02:01:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	20336	5.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.94%	
35) Dibromofluoromethane	5.49	113	17183	5.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.34%	
50) Toluene-d8	8.72	98	55368	5.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.90%	
62) 4-Bromofluorobenzene	11.14	95	18178	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	10930	4.41	ug/l	98
3) Chloromethane	1.32	50	16371	4.80	ug/l	90
4) Vinyl Chloride	1.40	62	17125	4.89	ug/l	99
5) Bromomethane	1.64	94	7816	4.68	ug/l	83
6) Chloroethane	1.71	64	11752	5.19	ug/l	100
7) Trichlorofluoromethane	1.92	101	23599	5.09	ug/l	98
8) Diethyl Ether	2.18	74	10612	5.10	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	15083	5.13	ug/l	97
10) Methyl Iodide	2.51	142	11637	3.60	ug/l	98
11) Tert butyl alcohol	3.07	59	21524	26.47	ug/l	99
12) 1,1-Dichloroethene	2.37	96	13994	5.07	ug/l	89
13) Acrolein	2.29	56	8908	27.75	ug/l	90
14) Allyl chloride	2.72	41	28947	5.10	ug/l	94
15) Acrylonitrile	3.15	53	49271	25.16	ug/l	98
16) Acetone	2.45	43	47968	28.84	ug/l	94
17) Carbon Disulfide	2.56	76	36888	4.62	ug/l	99
18) Methyl Acetate	2.78	43	24836	5.32	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	51872	5.35	ug/l	97
20) Methylene Chloride	2.85	84	17181	5.04	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	15713	5.15	ug/l	98
22) Diisopropyl ether	3.87	45	51216	5.01	ug/l	96
23) Vinyl Acetate	3.82	43	197208	23.83	ug/l	97
24) 1,1-Dichloroethane	3.70	63	29540	5.12	ug/l	97
25) 2-Butanone	4.70	43	75116	28.37	ug/l	100
26) 2,2-Dichloropropane	4.58	77	19989	5.04	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	17023	5.00	ug/l	95
28) Bromochloromethane	5.02	49	13543	5.13	ug/l	95
29) Tetrahydrofuran	5.16	42	37180	23.29	ug/l	97
30) Chloroform	5.21	83	29601	5.25	ug/l	95
31) Cyclohexane	5.57	56	23065	4.68	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	22624	4.98	ug/l	98
36) 1,1-Dichloropropene	5.79	75	20679	5.15	ug/l	99
37) Ethyl Acetate	4.86	43	22990	5.03	ug/l	99
38) Carbon Tetrachloride	5.78	117	20037	5.11	ug/l	97

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

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Quant Time: Sep 12 02:01:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18872	4.50	ug/l	93
40) Benzene	6.14	78	65570	5.50	ug/l	96
41) Methacrylonitrile	5.07	41	12387	4.92	ug/l	97
42) 1,2-Dichloroethane	6.20	62	22123	5.60	ug/l	98
43) Isopropyl Acetate	6.46	43	30853	5.08	ug/l	97
44) Trichloroethene	7.21	130	15876	5.13	ug/l	90
45) 1,2-Dichloropropane	7.52	63	14941	5.21	ug/l	98
46) Dibromomethane	7.66	93	9394	5.18	ug/l	97
47) Bromodichloromethane	7.90	83	16825	4.91	ug/l	96
48) Methyl methacrylate	7.78	41	13901	4.63	ug/l	97
49) 1,4-Dioxane	7.76	88	6688	94.07	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	121468	28.36	ug/l	97
52) Toluene	8.79	92	36664	5.22	ug/l	89
53) t-1,3-Dichloropropene	9.04	75	19240	4.81	ug/l	90
54) cis-1,3-Dichloropropene	8.44	75	19442	4.76	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	16653	5.51	ug/l	94
56) Ethyl methacrylate	9.18	69	20692	4.84	ug/l	99
57) 1,3-Dichloropropane	9.37	76	26957	5.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	45527	23.20	ug/l	94
59) 2-Hexanone	9.50	43	95550	29.08	ug/l	98
60) Dibromochloromethane	9.59	129	14063	4.94	ug/l	96
61) 1,2-Dibromoethane	9.68	107	14198	4.91	ug/l	99
64) Tetrachloroethene	9.34	164	21479	5.41	ug/l	92
65) Chlorobenzene	10.14	112	39591	5.01	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	13276	4.87	ug/l	99
67) Ethyl Benzene	10.26	91	60922	4.74	ug/l	98
68) m/p-Xylenes	10.36	106	45857	9.26	ug/l	97
69) o-Xylene	10.70	106	22047	4.63	ug/l	98
70) Styrene	10.71	104	35723	4.53	ug/l	98
71) Bromoform	10.86	173	9882	4.42	ug/l #	97
73) Isopropylbenzene	11.02	105	58728	4.80	ug/l	100
74) N-amyl acetate	10.90	43	23405	4.54	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	19636	4.97	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	19085m	5.25	ug/l	
77) Bromobenzene	11.26	156	16805	4.97	ug/l	97
78) n-propylbenzene	11.36	91	66853	4.75	ug/l	100
79) 2-Chlorotoluene	11.42	91	42028	4.92	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	49069	4.77	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	4726	4.03	ug/l	87
82) 4-Chlorotoluene	11.51	91	48774	4.89	ug/l	100
83) tert-Butylbenzene	11.77	119	46551	4.75	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	49694	4.73	ug/l	97
85) sec-Butylbenzene	11.94	105	59489	4.76	ug/l	99
86) p-Isopropyltoluene	12.07	119	51198	4.64	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	31875	5.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	32572	4.99	ug/l	93
89) n-Butylbenzene	12.39	91	45279	4.51	ug/l	96
90) Hexachloroethane	12.60	117	8013	4.54	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	31998	5.01	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3951	4.69	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	20899	4.62	ug/l	97
94) Hexachlorobutadiene	13.79	225	11527	4.88	ug/l	97
95) Naphthalene	13.83	128	53505	4.22	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	21506	4.63	ug/l	100

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

