

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003832.D
 Acq On : 02 Aug 2018 19:22
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:35:36 PM

Quant Time: Aug 03 01:45:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	103180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	148020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	142071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	83610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	7207	4.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.40%	
35) Dibromofluoromethane	5.50	113	6092	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
50) Toluene-d8	8.72	98	22838	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
62) 4-Bromofluorobenzene	11.14	95	7693	4.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	4247	3.73	ug/l	98
3) Chloromethane	1.32	50	8212	5.23	ug/l	97
4) Vinyl Chloride	1.40	62	6441	4.18	ug/l	97
5) Bromomethane	1.64	94	3851	5.21	ug/l	97
6) Chloroethane	1.71	64	4245	4.62	ug/l	92
7) Trichlorofluoromethane	1.92	101	8924	4.54	ug/l	97
8) Diethyl Ether	2.19	74	3791	4.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	5482	4.58	ug/l	96
10) Methyl Iodide	2.51	142	6505	4.17	ug/l	99
11) Tert butyl alcohol	3.09	59	7778	21.64	ug/l	100
12) 1,1-Dichloroethene	2.37	96	5396	4.63	ug/l	96
13) Acrolein	2.29	56	6462	34.36	ug/l	96
14) Allyl chloride	2.72	41	9654	4.00	ug/l	97
15) Acrylonitrile	3.15	53	17898	20.56	ug/l	99
16) Acetone	2.45	43	18349	25.04	ug/l	98
17) Carbon Disulfide	2.56	76	14160	4.22	ug/l	99
18) Methyl Acetate	2.78	43	8841	4.17	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	18033	4.30	ug/l	97
20) Methylene Chloride	2.86	84	6646	4.70	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	5901	4.65	ug/l	94
22) Diisopropyl ether	3.88	45	18682	4.20	ug/l	93
23) Vinyl Acetate	3.82	43	76144	19.93	ug/l	99
24) 1,1-Dichloroethane	3.69	63	10605	4.21	ug/l	99
25) 2-Butanone	4.71	43	30503	26.37	ug/l	97
26) 2,2-Dichloropropane	4.59	77	7381	4.66	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	6485	4.63	ug/l	65
28) Bromochloromethane	5.01	49	5010	4.75	ug/l	97
29) Tetrahydrofuran	5.17	42	15249	21.24	ug/l	97
30) Chloroform	5.21	83	10911	4.68	ug/l	99
31) Cyclohexane	5.57	56	8587	4.36	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	8996	4.71	ug/l	98
36) 1,1-Dichloropropene	5.79	75	7947	4.70	ug/l	99
37) Ethyl Acetate	4.87	43	9318	4.51	ug/l	99
38) Carbon Tetrachloride	5.79	117	7989	4.90	ug/l	98

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Quant Time: Aug 03 01:45:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	8331	4.62	ug/l	99
40) Benzene	6.15	78	25024	4.91	ug/l	98
41) Methacrylonitrile	5.07	41	4938	4.32	ug/l	96
42) 1,2-Dichloroethane	6.20	62	8588	4.79	ug/l	100
43) Isopropyl Acetate	6.47	43	13434	4.46	ug/l	99
44) Trichloroethene	7.21	130	6890	5.06	ug/l	91
45) 1,2-Dichloropropane	7.52	63	6642	5.03	ug/l	100
46) Dibromomethane	7.67	93	4169	4.88	ug/l	99
47) Bromodichloromethane	7.90	83	7474	4.68	ug/l	99
48) Methyl methacrylate	7.78	41	6568	4.30	ug/l	97
49) 1,4-Dioxane	7.76	88	3226	93.96	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	56527	26.65	ug/l	98
52) Toluene	8.79	92	15476	4.89	ug/l	99
53) t-1,3-Dichloropropene	9.05	75	7786	4.41	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	8840	4.56	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	6518	4.99	ug/l	97
56) Ethyl methacrylate	9.18	69	8060	4.17	ug/l	95
57) 1,3-Dichloropropane	9.37	76	10622	4.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	20755	21.25	ug/l	99
59) 2-Hexanone	9.50	43	42782	26.32	ug/l	96
60) Dibromochloromethane	9.59	129	5959	4.79	ug/l	97
61) 1,2-Dibromoethane	9.68	107	6617	4.85	ug/l	98
64) Tetrachloroethene	9.34	164	6751	5.28	ug/l	94
65) Chlorobenzene	10.14	112	17859	5.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	6107	4.90	ug/l	99
67) Ethyl Benzene	10.26	91	27429	4.65	ug/l	100
68) m/p-Xylenes	10.36	106	21154	9.33	ug/l	99
69) o-Xylene	10.70	106	10012	4.56	ug/l	97
70) Styrene	10.71	104	16346	4.43	ug/l	98
71) Bromoform	10.86	173	4640	4.67	ug/l #	98
73) Isopropylbenzene	11.02	105	27086	4.84	ug/l	100
74) N-amyl acetate	6.47	43	13434	4.58	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	10157	4.84	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	8791m	5.02	ug/l	
77) Bromobenzene	11.26	156	7906	5.08	ug/l	96
78) n-propylbenzene	11.36	91	30059	4.66	ug/l	100
79) 2-Chlorotoluene	11.42	91	19576	4.94	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	22285	4.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	2342	4.17	ug/l #	86
82) 4-Chlorotoluene	11.51	91	21759	4.67	ug/l	99
83) tert-Butylbenzene	11.77	119	22592	4.85	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	22962	4.68	ug/l	99
85) sec-Butylbenzene	11.95	105	26530	4.83	ug/l	99
86) p-Isopropyltoluene	12.07	119	23408	4.73	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	14546	5.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	15464	5.16	ug/l	97
89) n-Butylbenzene	12.39	91	19230	4.34	ug/l	98
90) Hexachloroethane	12.60	117	3659	4.80	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	14804	5.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2116	4.82	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	9748	4.63	ug/l	99
94) Hexachlorobutadiene	13.79	225	5026	5.29	ug/l	98
95) Naphthalene	13.83	128	26513	4.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	10482	4.89	ug/l	99

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

