

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003391.D
 Acq On : 16 Jul 2018 11:20
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/17/2018 1:46:30 PM

Quant Time: Jul 16 12:45:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 12:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	447916	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	414068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	244039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	86827	22.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.88%	
35) Dibromofluoromethane	5.51	113	75520	22.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.82%	
50) Toluene-d8	8.72	98	275479	23.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.00%	
62) 4-Bromofluorobenzene	11.14	95	94805	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	75612	26.67	ug/l	100
3) Chloromethane	1.32	50	75155	20.70	ug/l	100
4) Vinyl Chloride	1.40	62	85905	20.94	ug/l	100
5) Bromomethane	1.64	94	38520	16.60	ug/l	98
6) Chloroethane	1.72	64	53725	20.27	ug/l	97
7) Trichlorofluoromethane	1.93	101	116567	19.72	ug/l	99
8) Diethyl Ether	2.19	74	47694	18.22	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71294	18.77	ug/l	98
10) Methyl Iodide	2.51	142	68162	17.67	ug/l	93
11) Tert butyl alcohol	3.08	59	95783	103.95	ug/l	99
12) 1,1-Dichloroethene	2.37	96	66380	18.82	ug/l	88
13) Acrolein	2.29	56	43270	118.48	ug/l	99
14) Allyl chloride	2.73	41	124015	18.33	ug/l	87
15) Acrylonitrile	3.15	53	213862	92.96	ug/l	99
16) Acetone	2.45	43	171406	96.09	ug/l	# 87
17) Carbon Disulfide	2.57	76	175129	20.22	ug/l	98
18) Methyl Acetate	2.78	43	123965	22.38	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	222922	17.67	ug/l	98
20) Methylene Chloride	2.86	84	75936	17.65	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	71707	19.05	ug/l	92
22) Diisopropyl ether	3.88	45	234291	18.60	ug/l	96
23) Vinyl Acetate	3.83	43	972636	94.50	ug/l	97
24) 1,1-Dichloroethane	3.70	63	135109	18.92	ug/l	98
25) 2-Butanone	4.72	43	273512	98.93	ug/l	93
26) 2,2-Dichloropropane	4.59	77	95227	18.84	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	77941	18.83	ug/l	93
28) Bromochloromethane	5.02	49	60694	18.65	ug/l	88
29) Tetrahydrofuran	5.18	42	174457	98.78	ug/l	91
30) Chloroform	5.22	83	125867	18.39	ug/l	99
31) Cyclohexane	5.57	56	104627	19.14	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	108137	18.96	ug/l	97
36) 1,1-Dichloropropene	5.80	75	90949	19.11	ug/l	98
37) Ethyl Acetate	4.87	43	102032	19.57	ug/l	95
38) Carbon Tetrachloride	5.79	117	93914	19.36	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103233	19.16	ug/l	95
40) Benzene	6.15	78	283318	19.01	ug/l	98
41) Methacrylonitrile	5.07	41	56496	18.91	ug/l	93
42) 1,2-Dichloroethane	6.20	62	96532	18.54	ug/l	95
43) Isopropyl Acetate	6.48	43	155679	19.05	ug/l	94
44) Trichloroethene	7.22	130	80668	19.10	ug/l	97
45) 1,2-Dichloropropane	7.52	63	73295	18.54	ug/l	99
46) Dibromomethane	7.67	93	47262	18.59	ug/l	97
47) Bromodichloromethane	7.90	83	87883	18.34	ug/l	100
48) Methyl methacrylate	7.79	41	79909	19.16	ug/l	87
49) 1,4-Dioxane	7.77	88	36775	404.05	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	529259	99.08	ug/l	94
52) Toluene	8.79	92	176555	18.69	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	105090	18.67	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	95177	18.51	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	74175	18.82	ug/l	97
56) Ethyl methacrylate	9.19	69	102829	18.26	ug/l #	84
57) 1,3-Dichloropropane	9.38	76	118790	18.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	267205	97.66	ug/l	98
59) 2-Hexanone	9.50	43	406607	103.20	ug/l	91
60) Dibromochloromethane	9.59	129	71143	18.59	ug/l	99
61) 1,2-Dibromoethane	9.68	107	76100	19.15	ug/l	99
64) Tetrachloroethene	9.34	164	91492	20.40	ug/l	98
65) Chlorobenzene	10.14	112	198765	18.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	73006	19.42	ug/l	99
67) Ethyl Benzene	10.26	91	332054	19.19	ug/l	100
68) m/p-Xylenes	10.37	106	259243	38.89	ug/l	96
69) o-Xylene	10.70	106	125805	19.32	ug/l	96
70) Styrene	10.71	104	206420	18.87	ug/l	97
71) Bromoform	10.86	173	56125	19.50	ug/l #	99
73) Isopropylbenzene	11.02	105	333170	19.74	ug/l	99
74) N-amyl acetate	6.48	43	155679	19.90	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	107771	19.56	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	93440m	19.38	ug/l	
77) Bromobenzene	11.26	156	91697	19.23	ug/l	98
78) n-propylbenzene	11.37	91	376372	19.73	ug/l	100
79) 2-Chlorotoluene	11.43	91	227161	19.28	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	275729	19.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	27654	19.12	ug/l	96
82) 4-Chlorotoluene	11.51	91	263455	19.19	ug/l	98
83) tert-Butylbenzene	11.77	119	262655	18.97	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	279744	19.72	ug/l	98
85) sec-Butylbenzene	11.95	105	319237	19.29	ug/l	100
86) p-Isopropyltoluene	12.07	119	286983	19.39	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	164267	18.45	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	166229	18.39	ug/l	100
89) n-Butylbenzene	12.39	91	227435	17.95	ug/l	99
90) Hexachloroethane	12.60	117	38164	17.20	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	161681	18.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21024	19.25	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106288	17.44	ug/l	98
94) Hexachlorobutadiene	13.79	225	51407	17.88	ug/l	99
95) Naphthalene	13.84	128	324977	19.02	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112978	18.37	ug/l	100

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

