

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072418\
 Data File : VX003644.D
 Acq On : 24 Jul 2018 17:08
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 11:54:16 AM

Quant Time: Jul 25 04:10:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 03:58:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	115978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	168642	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	161974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96022	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	35542	24.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.14%	
35) Dibromofluoromethane	5.50	113	28747	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
50) Toluene-d8	8.72	98	109599	22.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.32%	
62) 4-Bromofluorobenzene	11.14	95	39057	21.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26264	23.630	ug/l	91
3) Chloromethane	1.32	50	32257	23.159	ug/l	100
4) Vinyl Chloride	1.40	62	35601	23.511	ug/l	98
5) Bromomethane	1.64	94	17159	19.632	ug/l	95
6) Chloroethane	1.72	64	21597	23.600	ug/l	98
7) Trichlorofluoromethane	1.93	101	46916	23.109	ug/l	93
8) Diethyl Ether	2.19	74	19555	22.445	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27333	20.784	ug/l	96
10) Methyl Iodide	2.51	142	33191	20.776	ug/l	100
11) Tert butyl alcohol	3.08	59	40675	136.542	ug/l	100
12) 1,1-Dichloroethene	2.37	96	26576	21.908	ug/l	92
13) Acrolein	2.29	56	20598	145.288	ug/l	100
14) Allyl chloride	2.73	41	56325	25.344	ug/l	97
15) Acrylonitrile	3.15	53	98083	132.183	ug/l	100
16) Acetone	2.45	43	78197	138.266	ug/l	99
17) Carbon Disulfide	2.57	76	74355	20.591	ug/l	100
18) Methyl Acetate	2.78	43	48886	27.700	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	92457	22.973	ug/l	98
20) Methylene Chloride	2.85	84	31667	21.045	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	28285	20.942	ug/l	99
22) Diisopropyl ether	3.88	45	104481	25.103	ug/l #	93
23) Vinyl Acetate	3.83	43	442602	127.917	ug/l	100
24) 1,1-Dichloroethane	3.70	63	56464	23.486	ug/l	100
25) 2-Butanone	4.71	43	123836	132.523	ug/l	99
26) 2,2-Dichloropropane	4.59	77	36008	20.266	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	30652	20.524	ug/l	93
28) Bromochloromethane	5.02	49	21563	20.942	ug/l	100
29) Tetrahydrofuran	5.17	42	79560	128.136	ug/l	97
30) Chloroform	5.21	83	52816	22.730	ug/l	92
31) Cyclohexane	5.57	56	46266	21.780	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	42854	21.538	ug/l	96
36) 1,1-Dichloropropene	5.81	75	38894	21.024	ug/l	100
37) Ethyl Acetate	4.87	43	46932	25.653	ug/l	99
38) Carbon Tetrachloride	5.78	117	37986	21.051	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	43594	19.899	ug/l	97
40) Benzene	6.15	78	120155	21.423	ug/l	99
41) Methacrylonitrile	5.07	41	25947	24.233	ug/l	99
42) 1,2-Dichloroethane	6.20	62	41273	22.921	ug/l	99
43) Isopropyl Acetate	6.48	43	69347	23.983	ug/l	99
44) Trichloroethene	7.22	130	31303	19.102	ug/l	99
45) 1,2-Dichloropropane	7.52	63	31570	22.097	ug/l	97
46) Dibromomethane	7.66	93	19783	21.584	ug/l	98
47) Bromodichloromethane	7.90	83	36273	21.532	ug/l	98
48) Methyl methacrylate	7.78	41	35509	24.317	ug/l	99
49) 1,4-Dioxane	7.76	88	16120	489.703	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	237162	128.666	ug/l	99
52) Toluene	8.79	92	73826	21.017	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	44241	21.403	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	39662	21.279	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	30277	21.541	ug/l	99
56) Ethyl methacrylate	9.19	69	44736	22.348	ug/l	99
57) 1,3-Dichloropropane	9.38	76	50821	22.248	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	115481	117.342	ug/l	100
59) 2-Hexanone	9.50	43	182659	132.642	ug/l	99
60) Dibromochloromethane	9.59	129	28357	20.528	ug/l	100
61) 1,2-Dibromoethane	9.68	107	31423	21.582	ug/l	99
64) Tetrachloroethene	9.34	164	29266	15.448	ug/l	97
65) Chlorobenzene	10.14	112	81644	19.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	28040	19.544	ug/l	99
67) Ethyl Benzene	10.26	91	136060	20.113	ug/l	100
68) m/p-Xylenes	10.36	106	106810	40.418	ug/l	99
69) o-Xylene	10.70	106	51059	20.013	ug/l	99
70) Styrene	10.71	104	86833	20.629	ug/l	99
71) Bromoform	10.86	173	21294	19.071	ug/l #	99
73) Isopropylbenzene	11.02	105	137304	20.615	ug/l	100
74) N-amyl acetate	6.48	43	69347	23.617	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	48684	24.082	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	41040m	23.124	ug/l	
77) Bromobenzene	11.26	156	36121	19.041	ug/l	99
78) n-propylbenzene	11.37	91	158655	21.268	ug/l	99
79) 2-Chlorotoluene	11.43	91	95092	21.014	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	117488	21.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	12780	22.830	ug/l	93
82) 4-Chlorotoluene	11.51	91	112109	21.106	ug/l	100
83) tert-Butylbenzene	11.77	119	110870	20.590	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	120817	21.543	ug/l	100
85) sec-Butylbenzene	11.95	105	135282	20.715	ug/l	100
86) p-Isopropyltoluene	12.07	119	119348	20.389	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	67000	19.123	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	68156	18.852	ug/l	99
89) n-Butylbenzene	12.39	91	104511	20.861	ug/l	98
90) Hexachloroethane	12.60	117	16657	19.830	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	68442	19.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	9980	24.936	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	47051	18.601	ug/l	99
94) Hexachlorobutadiene	13.79	225	21653	17.986	ug/l	99
95) Naphthalene	13.83	128	147637	21.678	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	48595	19.296	ug/l	98

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

