

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072418\
 Data File : VX003642.D
 Acq On : 24 Jul 2018 16:15
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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

Quant Time: Jul 25 04:04:48 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	129656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	185966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95628	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	2475	1.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.06%	
35) Dibromofluoromethane	5.50	113	2150	1.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.96%	
50) Toluene-d8	8.72	98	7327	1.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.68%	
62) 4-Bromofluorobenzene	11.14	95	2014	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1653	1.330	ug/l	89
3) Chloromethane	1.32	50	2515	1.615	ug/l	96
4) Vinyl Chloride	1.40	62	2214	1.308	ug/l	99
5) Bromomethane	1.64	94	1104	1.130	ug/l	88
6) Chloroethane	1.72	64	1565	1.530	ug/l #	85
7) Trichlorofluoromethane	1.93	101	2814	1.240	ug/l	89
8) Diethyl Ether	2.19	74	1253	1.286	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1794	1.220	ug/l	96
10) Methyl Iodide	2.51	142	1133	0.634	ug/l	99
11) Tert butyl alcohol	3.07	59	2368	7.111	ug/l	99
12) 1,1-Dichloroethene	2.37	96	1682	1.240	ug/l	94
13) Acrolein	2.29	56	682	4.303	ug/l	99
14) Allyl chloride	2.73	41	3464	1.394	ug/l	99
15) Acrylonitrile	3.15	53	6274	7.563	ug/l	99
16) Acetone	2.45	43	5510	8.715	ug/l	95
17) Carbon Disulfide	2.57	76	5073	1.257	ug/l	100
18) Methyl Acetate	2.78	43	3233	1.639	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	6027	1.340	ug/l	96
20) Methylene Chloride	2.86	84	2072	1.232	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	1788	1.184	ug/l	85
22) Diisopropyl ether	3.87	45	5868	1.261	ug/l #	90
23) Vinyl Acetate	3.82	43	24186	6.253	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3817	1.420	ug/l #	95
25) 2-Butanone	4.71	43	7581	7.257	ug/l	94
26) 2,2-Dichloropropane	4.59	77	2302	1.159	ug/l	78
27) cis-1,2-Dichloroethene	4.60	96	1895	1.135	ug/l #	1
28) Bromochloromethane	5.02	49	1591	1.382	ug/l #	97
29) Tetrahydrofuran	5.17	42	4828	6.955	ug/l	97
30) Chloroform	5.21	83	3148	1.212	ug/l	96
31) Cyclohexane	5.57	56	2635	1.110	ug/l	88
32) 1,1,1-Trichloroethane	5.50	97	2515	1.131	ug/l #	50
36) 1,1-Dichloropropene	5.79	75	2418	1.185	ug/l	96
37) Ethyl Acetate	4.87	43	2977	1.476	ug/l #	89
38) Carbon Tetrachloride	5.78	117	2288	1.150	ug/l	91

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39) Methylcyclohexane	7.46	83	2342	0.969	ug/l	95
40) Benzene	6.14	78	6573	1.063	ug/l #	85
41) Methacrylonitrile	5.06	41	1701	1.441	ug/l #	88
42) 1,2-Dichloroethane	6.20	62	2395	1.206	ug/l	95
43) Isopropyl Acetate	6.47	43	3723	1.168	ug/l	97
44) Trichloroethene	7.21	130	1904	1.054	ug/l	99
45) 1,2-Dichloropropane	7.52	63	1602	1.017	ug/l #	83
46) Dibromomethane	7.67	93	1101	1.089	ug/l	95
47) Bromodichloromethane	7.90	83	1963	1.057	ug/l	87
48) Methyl methacrylate	7.79	41	1834	1.139	ug/l	94
49) 1,4-Dioxane	7.76	88	768	21.157	ug/l #	89
51) 4-Methyl-2-Pentanone	8.65	43	12449	6.125	ug/l	97
52) Toluene	8.79	92	4166	1.076	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	2064	0.906	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	2097	1.020	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	1605	1.036	ug/l	89
56) Ethyl methacrylate	9.19	69	1947	0.882	ug/l	91
57) 1,3-Dichloropropane	9.37	76	2701	1.072	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	4838	4.458	ug/l	98
59) 2-Hexanone	9.50	43	8647	5.694	ug/l	89
60) Dibromochloromethane	9.59	129	1329	0.872	ug/l	94
61) 1,2-Dibromoethane	9.68	107	1659	1.033	ug/l	100
64) Tetrachloroethene	9.34	164	1731	0.875	ug/l	96
65) Chlorobenzene	10.14	112	4539	1.042	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	1524	1.017	ug/l #	63
67) Ethyl Benzene	10.25	91	6983	0.988	ug/l	92
68) m/p-Xylenes	10.36	106	5118	1.854	ug/l	96
69) o-Xylene	10.70	106	2451	0.920	ug/l	98
70) Styrene	10.71	104	3831	0.871	ug/l	96
71) Bromoform	10.86	173	1047	0.898	ug/l #	97
73) Isopropylbenzene	11.02	105	6332	0.955	ug/l	99
74) N-amyl acetate	6.47	43	3723	1.273	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	2630	1.306	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2131m	1.206	ug/l	
77) Bromobenzene	11.26	156	1910	1.011	ug/l	97
78) n-propylbenzene	11.36	91	7195	0.968	ug/l	98
79) 2-Chlorotoluene	11.42	91	4746	1.053	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	5024	0.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	535	0.960	ug/l #	83
82) 4-Chlorotoluene	11.51	91	5429	1.026	ug/l	99
83) tert-Butylbenzene	11.77	119	5144	0.959	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	5172	0.926	ug/l	95
85) sec-Butylbenzene	11.95	105	5971	0.918	ug/l	97
86) p-Isopropyltoluene	12.07	119	5527	0.948	ug/l	89
87) 1,3-Dichlorobenzene	12.03	146	3479	0.997	ug/l	88
88) 1,4-Dichlorobenzene	12.10	146	3861	1.072	ug/l #	61
89) n-Butylbenzene	12.39	91	5240	1.050	ug/l	97
90) Hexachloroethane	12.60	117	906	1.083	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	3638	1.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	480	1.204	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	2543	1.009	ug/l	94
94) Hexachlorobutadiene	13.78	225	1295	1.080	ug/l	94
95) Naphthalene	13.83	128	6559	0.967	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	2459	0.980	ug/l	100

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

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