

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102418\
 Data File : VX005553.D
 Acq On : 24 Oct 2018 20:32
 Operator : JC/MD
 Sample : J5655-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0008MS

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:36 AM

Quant Time: Oct 25 05:37:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	210246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166550	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	125582	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	5.50	113	102153	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
50) Toluene-d8	8.71	98	377536	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	11.14	95	143086	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	76050	36.647	ug/l	99
3) Chloromethane	1.32	50	105686	39.990	ug/l	99
4) Vinyl Chloride	1.41	62	111253	42.812	ug/l	99
5) Bromomethane	1.64	94	67240	41.584	ug/l	99
6) Chloroethane	1.71	64	71777	43.237	ug/l	95
7) Trichlorofluoromethane	1.92	101	167313	46.336	ug/l	97
8) Diethyl Ether	2.19	74	67648	46.945	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.38	101	93600	45.180	ug/l	94
10) Methyl Iodide	2.51	142	114107	52.588	ug/l	97
11) Tert butyl alcohol	3.07	59	179569	260.009	ug/l	99
12) 1,1-Dichloroethene	2.37	96	94765	48.017	ug/l	89
13) Acrolein	2.29	56	90461	256.777	ug/l	97
14) Allyl chloride	2.73	41	206334	46.845	ug/l	96
15) Acrylonitrile	3.15	53	391401	252.738	ug/l	98
16) Acetone	2.45	43	351857	259.453	ug/l	94
17) Carbon Disulfide	2.57	76	270514	44.965	ug/l	99
18) Methyl Acetate	2.78	43	170037	50.777	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	342097	48.593	ug/l	98
20) Methylene Chloride	2.85	84	107622	47.383	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	99890	46.356	ug/l	93
22) Diisopropyl ether	3.87	45	367883	47.828	ug/l	89
23) Vinyl Acetate	3.82	43	1680434	248.064	ug/l #	92
24) 1,1-Dichloroethane	3.70	63	202015	48.307	ug/l	98
25) 2-Butanone	4.70	43	526919	255.149	ug/l	93
26) 2,2-Dichloropropane	4.58	77	136735	42.352	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	109475	47.125	ug/l	94
28) Bromochloromethane	5.02	49	98840	48.868	ug/l	90
29) Tetrahydrofuran	5.15	42	342288	254.688	ug/l	90
30) Chloroform	5.21	83	189956	48.561	ug/l	97
31) Cyclohexane	5.58	56	168010	48.557	ug/l #	82
32) 1,1,1-Trichloroethane	5.49	97	166453	48.212	ug/l	99
36) 1,1-Dichloropropene	5.80	75	138610	44.059	ug/l	99
37) Ethyl Acetate	4.85	43	176126	43.872	ug/l	96
38) Carbon Tetrachloride	5.78	117	146138	44.105	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	159705	45.973	ug/l	95
40) Benzene	6.14	78	414071	45.915	ug/l	99
41) Methacrylonitrile	5.06	41	101479	45.380	ug/l	95
42) 1,2-Dichloroethane	6.20	62	158279	46.200	ug/l	95
43) Isopropyl Acetate	6.46	43	269652	44.824	ug/l	96
44) Trichloroethene	7.21	130	113086	46.030	ug/l	96
45) 1,2-Dichloropropane	7.52	63	113093	46.644	ug/l	100
46) Dibromomethane	7.66	93	73015	46.627	ug/l	98
47) Bromodichloromethane	7.90	83	143188	47.112	ug/l	98
48) Methyl methacrylate	7.77	41	145667	49.704	ug/l	93
49) 1,4-Dioxane	7.76	88	64610	1008.817	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	991194	245.162	ug/l	93
52) Toluene	8.79	92	262039	47.810	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	157468	47.939	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	165050	46.670	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	109626	47.441	ug/l	98
56) Ethyl methacrylate	9.18	69	170673	49.518	ug/l	93
57) 1,3-Dichloropropane	9.37	76	183211	46.858	ug/l	100
59) 2-Hexanone	9.50	43	793253	248.847	ug/l	92
60) Dibromochloromethane	9.59	129	116863	48.472	ug/l	100
61) 1,2-Dibromoethane	9.67	107	114195	47.768	ug/l	99
64) Tetrachloroethene	9.34	164	113684	47.022	ug/l	98
65) Chlorobenzene	10.14	112	297232	47.927	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	109699	48.510	ug/l	98
67) Ethyl Benzene	10.25	91	514059	50.380	ug/l	97
68) m/p-Xylenes	10.36	106	397418	100.390	ug/l	94
69) o-Xylene	10.70	106	190256	51.083	ug/l	95
70) Styrene	10.71	104	320801	51.453	ug/l	96
71) Bromoform	10.86	173	98751	48.938	ug/l	100
73) Isopropylbenzene	11.02	105	520864	51.161	ug/l	99
74) N-amyl acetate	10.90	43	246027	48.770	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	180660	48.099	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	174905m	51.558	ug/l	
77) Bromobenzene	11.26	156	138782	48.913	ug/l	97
78) n-propylbenzene	11.36	91	603962	51.880	ug/l	99
79) 2-Chlorotoluene	11.42	91	360681	49.969	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	451008	51.785	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	51789	47.955	ug/l	97
82) 4-Chlorotoluene	11.51	91	428027	50.289	ug/l	99
83) tert-Butylbenzene	11.77	119	444534	51.205	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	463041	52.459	ug/l	97
85) sec-Butylbenzene	11.94	105	532110	51.366	ug/l	98
86) p-Isopropyltoluene	12.07	119	481795	52.027	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	258615	48.471	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	262171	46.978	ug/l	99
89) n-Butylbenzene	12.39	91	423025	50.601	ug/l	97
90) Hexachloroethane	12.60	117	79339	49.675	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	261513	48.445	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45470	50.067	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	193607	49.477	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	94020	46.364	ug/l	97
95) Naphthalene	13.83	128	608350	53.484	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	200526	50.553	ug/l	99

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

