

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002036.D
 Acq On : 26 May 2018 22:59
 Operator : JC/MD
 Sample : J3118-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:11 PM

Quant Time: May 29 05:20:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	357687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	225277	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	213680	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	5.51	113	167127	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
50) Toluene-d8	8.72	98	603309	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
62) 4-Bromofluorobenzene	11.14	95	238307	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	131310	43.08	ug/l	100
3) Chloromethane	1.32	50	178270	47.88	ug/l	100
4) Vinyl Chloride	1.41	62	177075	49.26	ug/l	99
5) Bromomethane	1.64	94	98470	59.70	ug/l	98
6) Chloroethane	1.72	64	115254	54.39	ug/l	97
7) Trichlorofluoromethane	1.93	101	272235	50.43	ug/l	100
8) Diethyl Ether	2.19	74	112930	57.66	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	147841	49.08	ug/l	98
10) Methyl Iodide	2.51	142	214624	52.66	ug/l	100
11) Tert butyl alcohol	3.09	59	237190	279.37	ug/l	98
12) 1,1-Dichloroethene	2.37	96	144915	51.38	ug/l	98
13) Acrolein	2.30	56	77227	210.38	ug/l	98
14) Allyl chloride	2.73	41	313463	52.95	ug/l	99
15) Acrylonitrile	3.15	53	494345	283.15	ug/l	99
16) Acetone	2.45	43	458395	274.61	ug/l	100
17) Carbon Disulfide	2.57	76	389691	48.01	ug/l	99
18) Methyl Acetate	2.78	43	242556	60.56	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	644276	60.74	ug/l	99
20) Methylene Chloride	2.86	84	173799	60.48	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	156486	57.22	ug/l	97
22) Diisopropyl ether	3.88	45	618765	51.38	ug/l	99
23) Vinyl Acetate	3.83	43	2656078	266.03	ug/l	99
24) 1,1-Dichloroethane	3.70	63	304636	53.26	ug/l	99
25) 2-Butanone	4.71	43	736478	240.72	ug/l	100
26) 2,2-Dichloropropane	4.59	77	195688	33.80	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	209311	56.91	ug/l	91
28) Bromochloromethane	5.03	49	136482	57.07	ug/l	99
29) Tetrahydrofuran	5.17	42	488192	245.26	ug/l	100
30) Chloroform	5.22	83	318962	49.49	ug/l	99
31) Cyclohexane	5.58	56	252691	42.40	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	278200	46.30	ug/l	100
36) 1,1-Dichloropropene	5.81	75	215896	43.39	ug/l	99
37) Ethyl Acetate	4.87	43	282255	43.52	ug/l	100
38) Carbon Tetrachloride	5.79	117	249042	42.93	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	245311	40.13	ug/l	97
40) Benzene	6.15	78	683155	46.87	ug/l	99
41) Methacrylonitrile	5.07	41	167049	48.77	ug/l	99
42) 1,2-Dichloroethane	6.20	62	274662	47.17	ug/l	100
43) Isopropyl Acetate	6.47	43	498658	46.14	ug/l	99
44) Trichloroethene	7.22	130	208897	49.18	ug/l	97
45) 1,2-Dichloropropane	7.52	63	189492	47.87	ug/l	100
46) Dibromomethane	7.67	93	126257	48.17	ug/l	99
47) Bromodichloromethane	7.90	83	257619	46.10	ug/l	99
48) Methyl methacrylate	7.78	41	257522	46.82	ug/l	99
49) 1,4-Dioxane	7.76	88	87635	904.09	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1584794	243.25	ug/l	99
52) Toluene	8.79	92	436401	47.05	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	289104	44.92	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	281760	44.93	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	183937	47.47	ug/l	99
56) Ethyl methacrylate	9.19	69	311641	46.75	ug/l	99
57) 1,3-Dichloropropane	9.38	76	308612	48.34	ug/l	99
59) 2-Hexanone	9.50	43	1208997	240.67	ug/l	100
60) Dibromochloromethane	9.59	129	213836	46.59	ug/l	99
61) 1,2-Dibromoethane	9.68	107	196538	48.33	ug/l	99
64) Tetrachloroethene	9.34	164	207660	43.20	ug/l	99
65) Chlorobenzene	10.14	112	501941	47.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	199001	46.40	ug/l	99
67) Ethyl Benzene	10.26	91	853614	46.25	ug/l	98
68) m/p-Xylenes	10.37	106	656617	93.07	ug/l	99
69) o-Xylene	10.70	106	326998	46.42	ug/l	100
70) Stvrene	10.72	104	522353	44.71	ug/l	100
71) Bromoform	10.86	173	182943	44.98	ug/l #	100
73) Isopropylbenzene	11.02	105	859284	45.04	ug/l	99
74) N-amyl acetate	6.47	43	498658	50.41	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	277402	53.25	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	288940m	53.40	ug/l	
77) Bromobenzene	11.26	156	239588	47.34	ug/l	97
78) n-propylbenzene	11.37	91	956012	44.75	ug/l	99
79) 2-Chlorotoluene	11.43	91	591097	50.45	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	732536	44.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	87875	39.03	ug/l	96
82) 4-Chlorotoluene	11.51	91	688018	45.66	ug/l	100
83) tert-Butylbenzene	11.77	119	719140	44.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	758066	45.00	ug/l	100
85) sec-Butylbenzene	11.95	105	843471	43.86	ug/l	99
86) p-Isopropyltoluene	12.07	119	760043	44.17	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	420602	46.40	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	426972	47.12	ug/l	99
89) n-Butylbenzene	12.39	91	632013	43.34	ug/l	99
90) Hexachloroethane	12.60	117	142698	42.04	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	434616	47.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	73105	43.10	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	305166	46.21	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	139878	39.38	ug/l	99
95) Naphthalene	13.84	128	955606	46.97	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	318623	46.63	ug/l	100

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

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