

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005226.D
 Acq On : 11 Oct 2018 00:02
 Operator : JC/MD
 Sample : J5317-16MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MSD

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:45:01 AM

Quant Time: Oct 11 07:53:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173773	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	124833	40.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.20%	
35) Dibromofluoromethane	5.50	113	101216	37.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.54%	
50) Toluene-d8	8.72	98	371579	41.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.32%	
62) 4-Bromofluorobenzene	11.14	95	143256	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	155426	52.31	ug/l	90
3) Chloromethane	1.32	50	180939	50.20	ug/l	93
4) Vinyl Chloride	1.40	62	182029	53.84	ug/l	94
5) Bromomethane	1.64	94	102172	50.96	ug/l	95
6) Chloroethane	1.71	64	101741	55.48	ug/l	97
7) Trichlorofluoromethane	1.92	101	223560	53.41	ug/l	94
8) Diethyl Ether	2.19	74	88507	48.68	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	118080	49.53	ug/l	99
10) Methyl Iodide	2.51	142	153733	48.19	ug/l	89
11) Tert butyl alcohol	3.09	59	237742	273.16	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119329	50.54	ug/l	95
13) Acrolein	2.29	56	111778	180.50	ug/l	91
14) Allyl chloride	2.72	41	261504	50.76	ug/l	95
15) Acrylonitrile	3.15	53	502946	262.50	ug/l	97
16) Acetone	2.45	43	462584	254.55	ug/l	94
17) Carbon Disulfide	2.56	76	355410	50.10	ug/l	99
18) Methyl Acetate	2.78	43	238311	51.76	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	435091	53.42	ug/l	96
20) Methylene Chloride	2.85	84	138492	52.46	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	127067	49.16	ug/l	85
22) Diisopropyl ether	3.87	45	425462	49.05	ug/l	98
23) Vinyl Acetate	3.82	43	1807745	227.66	ug/l	98
24) 1,1-Dichloroethane	3.69	63	256487	49.57	ug/l	99
25) 2-Butanone	4.71	43	656393	245.04	ug/l	96
26) 2,2-Dichloropropane	4.58	77	129930	36.06	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	134086	46.44	ug/l	98
28) Bromochloromethane	5.02	49	88472	36.31	ug/l	100
29) Tetrahydrofuran	5.17	42	427034	256.49	ug/l	98
30) Chloroform	5.21	83	229967	47.02	ug/l	99
31) Cyclohexane	5.57	56	197639	49.90	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	200870	50.29	ug/l	95
36) 1,1-Dichloropropene	5.79	75	173252	46.76	ug/l	94
37) Ethyl Acetate	4.87	43	211516	43.01	ug/l	98
38) Carbon Tetrachloride	5.78	117	180348	46.31	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188072	49.71	ug/l #	85
40) Benzene	6.14	78	519778	44.81	ug/l	94
41) Methacrylonitrile	5.06	41	127587	46.78	ug/l	99
42) 1,2-Dichloroethane	6.20	62	188507	45.97	ug/l	98
43) Isopropyl Acetate	6.46	43	317284	44.70	ug/l	96
44) Trichloroethene	7.21	130	215141	75.45	ug/l	99
45) 1,2-Dichloropropane	7.52	63	139048	48.88	ug/l	97
46) Dibromomethane	7.66	93	89637	50.14	ug/l	99
47) Bromodichloromethane	7.90	83	175329	52.39	ug/l	99
48) Methyl methacrylate	7.78	41	179363	55.67	ug/l	99
49) 1,4-Dioxane	7.76	88	90729	1133.53	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1221268	273.25	ug/l	99
52) Toluene	8.79	92	325952	51.14	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	186786	49.39	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	195891	49.45	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	134908	48.32	ug/l	97
56) Ethyl methacrylate	9.18	69	213147	47.22	ug/l	97
57) 1,3-Dichloropropane	9.37	76	226608	48.77	ug/l	98
59) 2-Hexanone	9.50	43	991946	266.34	ug/l	95
60) Dibromochloromethane	9.59	129	142732	51.12	ug/l	99
61) 1,2-Dibromoethane	9.68	107	140052	46.84	ug/l	96
64) Tetrachloroethene	9.34	164	136961	45.69	ug/l	95
65) Chlorobenzene	10.14	112	367838	47.09	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	135950	49.51	ug/l	99
67) Ethyl Benzene	10.26	91	626457	50.52	ug/l	96
68) m/p-Xylenes	10.36	106	487658	100.63	ug/l	95
69) o-Xylene	10.70	106	236343	53.10	ug/l	99
70) Styrene	10.71	104	399335	48.06	ug/l	100
71) Bromoform	10.86	173	120069	51.07	ug/l #	97
73) Isopropylbenzene	11.02	105	635879	58.05	ug/l	99
74) N-amyl acetate	10.90	43	284149	47.30	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	230530	51.70	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	204061m	52.39	ug/l	
77) Bromobenzene	11.26	156	172244	54.14	ug/l	99
78) n-propylbenzene	11.36	91	731803	58.23	ug/l	100
79) 2-Chlorotoluene	11.42	91	435760	55.63	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	546249	54.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59902	42.27	ug/l	100
82) 4-Chlorotoluene	11.51	91	517097	56.08	ug/l	100
83) tert-Butylbenzene	11.77	119	545760	60.52	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	565160	54.61	ug/l	99
85) sec-Butylbenzene	11.95	105	643744	58.61	ug/l	100
86) p-Isopropyltoluene	12.07	119	582804	58.56	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	319427	53.77	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	323032	52.68	ug/l	99
89) n-Butylbenzene	12.39	91	510560	56.49	ug/l	99
90) Hexachloroethane	12.60	117	95814	57.83	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	324652	52.29	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55449	56.64	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	242580	55.70	ug/l	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	117839	52.18	ug/l	100
95) Naphthalene	13.83	128	781621	54.02	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	251878	55.99	ug/l	100

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

