

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005324.D
 Acq On : 13 Oct 2018 05:50
 Operator : JC/MD
 Sample : J5429-05MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:06:25 AM

Quant Time: Oct 15 01:03:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354056	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185682	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	138327	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
35) Dibromofluoromethane	5.50	113	113775	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	8.71	98	421202	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.14	95	156606	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	103046	56.75	ug/l	98
3) Chloromethane	1.32	50	139158	52.89	ug/l	98
4) Vinyl Chloride	1.41	62	144230	54.11	ug/l	97
5) Bromomethane	1.64	94	85555	56.76	ug/l	88
6) Chloroethane	1.71	64	89760	57.89	ug/l	98
7) Trichlorofluoromethane	1.92	101	194376	54.65	ug/l	95
8) Diethyl Ether	2.19	74	85690	56.42	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	107466	52.35	ug/l	96
10) Methyl Iodide	2.51	142	142590	62.68	ug/l	99
11) Tert butyl alcohol	3.08	59	192949	265.38	ug/l	100
12) 1,1-Dichloroethene	2.37	96	109802	53.98	ug/l	87
13) Acrolein	2.29	56	111545	240.34	ug/l	95
14) Allyl chloride	2.73	41	236240	52.90	ug/l	96
15) Acrylonitrile	3.15	53	444125	269.56	ug/l	98
16) Acetone	2.45	43	403601	270.83	ug/l	97
17) Carbon Disulfide	2.57	76	332740	54.00	ug/l	98
18) Methyl Acetate	2.78	43	299798	70.71	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	413915	57.78	ug/l	98
20) Methylene Chloride	2.85	84	132627	61.38	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	119997	53.24	ug/l	96
22) Diisopropyl ether	3.87	45	397845	53.04	ug/l	97
23) Vinyl Acetate	3.82	43	1502586	229.20	ug/l #	92
24) 1,1-Dichloroethane	3.70	63	237398	55.23	ug/l	99
25) 2-Butanone	4.70	43	590381	270.77	ug/l	96
26) 2,2-Dichloropropane	4.59	77	111565	34.70	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	139142	56.80	ug/l	97
28) Bromochloromethane	5.01	49	111464	56.88	ug/l	95
29) Tetrahydrofuran	5.15	42	372496	267.82	ug/l	96
30) Chloroform	5.21	83	223153	55.93	ug/l	86
31) Cyclohexane	5.57	56	176752	49.89	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	186189	53.63	ug/l	99
36) 1,1-Dichloropropene	5.80	75	158181	46.13	ug/l	99
37) Ethyl Acetate	4.85	43	173976	39.45	ug/l	98
38) Carbon Tetrachloride	5.78	117	162462	47.15	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	160845	43.34	ug/l	95
40) Benzene	6.15	78	492674	47.90	ug/l	98
41) Methacrylonitrile	5.06	41	122238	51.71	ug/l	96
42) 1,2-Dichloroethane	6.20	62	183063	50.40	ug/l	96
43) Isopropyl Acetate	6.46	43	279288	47.54	ug/l	97
44) Trichloroethene	7.21	130	126193	48.02	ug/l	98
45) 1,2-Dichloropropane	7.52	63	127989	50.72	ug/l	98
46) Dibromomethane	7.66	93	85222	51.17	ug/l	98
47) Bromodichloromethane	7.90	83	162486	52.75	ug/l	99
48) Methyl methacrylate	7.77	41	161165	52.90	ug/l	95
49) 1,4-Dioxane	7.76	88	64158	913.00	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1091008	268.23	ug/l	95
52) Toluene	8.79	92	300192	53.34	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	170176	51.05	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	178933	49.54	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	125669	52.72	ug/l	98
56) Ethyl methacrylate	9.18	69	198369	57.09	ug/l	96
57) 1,3-Dichloropropane	9.37	76	211426	53.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.27	63	1677	0.86	ug/l #	45
59) 2-Hexanone	9.50	43	870796	266.15	ug/l	94
60) Dibromochloromethane	9.59	129	134783	54.70	ug/l	100
61) 1,2-Dibromoethane	9.67	107	131118	52.42	ug/l	99
64) Tetrachloroethene	9.34	164	117730	44.60	ug/l	100
65) Chlorobenzene	10.14	112	341414	48.95	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	128258	51.60	ug/l	98
67) Ethyl Benzene	10.26	91	573293	50.56	ug/l	98
68) m/p-Xylenes	10.36	106	447361	101.65	ug/l	95
69) o-Xylene	10.70	106	217255	51.19	ug/l	97
70) Styrene	10.71	104	369034	52.86	ug/l	97
71) Bromoform	10.86	173	115328	51.92	ug/l	99
73) Isopropylbenzene	11.02	105	581470	52.68	ug/l	99
74) N-amyl acetate	10.90	43	235654	44.26	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	214649	51.55	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	188939m	52.46	ug/l	
77) Bromobenzene	11.26	156	164825	52.22	ug/l	98
78) n-propylbenzene	11.36	91	656321	51.67	ug/l	100
79) 2-Chlorotoluene	11.42	91	400403	51.47	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	498112	52.70	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	52122	43.97	ug/l	99
82) 4-Chlorotoluene	11.51	91	475366	51.55	ug/l	100
83) tert-Butylbenzene	11.77	119	507645	53.03	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	516943	53.14	ug/l	98
85) sec-Butylbenzene	11.94	105	586211	51.75	ug/l	99
86) p-Isopropyltoluene	12.07	119	531515	51.91	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	297754	50.49	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	302448	50.13	ug/l	99
89) n-Butylbenzene	12.39	91	452957	48.72	ug/l	98
90) Hexachloroethane	12.60	117	89331	50.63	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	306754	50.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51674	50.87	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	227083	51.43	ug/l	99
94) Hexachlorobutadiene	13.79	225	107682	46.17	ug/l	97
95) Naphthalene	13.83	128	726530	56.74	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	236770	52.41	ug/l	98

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

