

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004574.D
 Acq On : 15 Sep 2018 09:49
 Operator : JC/MD
 Sample : J4925-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:32 PM

Quant Time: Sep 17 01:31:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198889	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	163283	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
35) Dibromofluoromethane	5.51	113	142687	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
50) Toluene-d8	8.72	98	487424	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
62) 4-Bromofluorobenzene	11.14	95	174646	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	113591	46.95	ug/l	97
3) Chloromethane	1.32	50	152442	45.78	ug/l	100
4) Vinyl Chloride	1.40	62	170912	50.01	ug/l	98
5) Bromomethane	1.64	94	67688	47.23	ug/l	99
6) Chloroethane	1.72	64	113321	51.27	ug/l	100
7) Trichlorofluoromethane	1.93	101	214317	47.30	ug/l	86
8) Diethyl Ether	2.19	74	104032	51.22	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	128899	44.85	ug/l	96
10) Methyl Iodide	2.51	142	133821	39.89	ug/l	97
11) Tert butyl alcohol	3.07	59	169117	212.90	ug/l	99
12) 1,1-Dichloroethene	2.37	96	135927	50.39	ug/l	92
13) Acrolein	2.29	56	76469	243.88	ug/l	96
14) Allyl chloride	2.73	41	259241	46.74	ug/l	95
15) Acrylonitrile	3.15	53	447820	234.11	ug/l	100
16) Acetone	2.45	43	348957	214.77	ug/l	98
17) Carbon Disulfide	2.57	76	381090	48.87	ug/l	100
18) Methyl Acetate	2.78	43	183506	40.26	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	487564	51.51	ug/l	99
20) Methylene Chloride	2.86	84	159615	47.89	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	149961	50.31	ug/l	95
22) Diisopropyl ether	3.87	45	498153	49.87	ug/l	98
23) Vinyl Acetate	3.82	43	1632051	201.90	ug/l	98
24) 1,1-Dichloroethane	3.70	63	277960	49.29	ug/l	98
25) 2-Butanone	4.70	43	570595	220.66	ug/l	99
26) 2,2-Dichloropropane	4.59	77	124033	32.02	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	173928	52.27	ug/l	95
28) Bromochloromethane	5.02	49	134467	52.13	ug/l	98
29) Tetrahydrofuran	5.16	42	372782	239.05	ug/l	98
30) Chloroform	5.22	83	273991	49.76	ug/l	95
31) Cyclohexane	5.57	56	240570	49.96	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	226250	51.02	ug/l	98
36) 1,1-Dichloropropene	5.81	75	202647	48.76	ug/l	97
37) Ethyl Acetate	4.86	43	179927	38.06	ug/l	99
38) Carbon Tetrachloride	5.78	117	199053	49.04	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	199849	46.08	ug/l	98
40) Benzene	6.15	78	630647	51.14	ug/l	95
41) Methacrylonitrile	5.06	41	124914	47.96	ug/l	98
42) 1,2-Dichloroethane	6.20	62	202982	49.63	ug/l	99
43) Isopropyl Acetate	6.46	43	272542	43.41	ug/l	100
44) Trichloroethene	7.21	130	151545	47.30	ug/l	93
45) 1,2-Dichloropropane	7.52	63	145580	49.06	ug/l	98
46) Dibromomethane	7.66	93	90830	48.45	ug/l	98
47) Bromodichloromethane	7.90	83	173971	49.07	ug/l	98
48) Methyl methacrylate	7.77	41	152349	49.03	ug/l	98
49) 1,4-Dioxane	7.75	88	61771	839.97	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	961234	216.95	ug/l	99
52) Toluene	8.79	92	342384	47.13	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	207184	50.03	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	198112	46.93	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	160566	51.33	ug/l	89
56) Ethyl methacrylate	9.18	69	249659	56.41	ug/l	95
57) 1,3-Dichloropropane	9.37	76	260888	51.33	ug/l	97
59) 2-Hexanone	9.50	43	798645	235.00	ug/l	94
60) Dibromochloromethane	9.59	129	142376	48.34	ug/l	99
61) 1,2-Dibromoethane	9.68	107	144853	48.47	ug/l	100
64) Tetrachloroethene	9.34	164	189904	49.44	ug/l	93
65) Chlorobenzene	10.14	112	384646	50.33	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	136203	51.68	ug/l	99
67) Ethyl Benzene	10.26	91	649281	52.25	ug/l	98
68) m/p-Xylenes	10.36	106	503802	105.25	ug/l	98
69) o-Xylene	10.70	106	247095	53.70	ug/l	100
70) Styrene	10.71	104	408092	53.53	ug/l	99
71) Bromoform	10.86	173	112291	51.89	ug/l	# 100
73) Isopropylbenzene	11.02	105	656691	50.13	ug/l	100
74) N-amyl acetate	10.90	43	217543	39.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	200967	47.57	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	182990m	45.73	ug/l	
77) Bromobenzene	11.26	156	175470	48.47	ug/l	99
78) n-propylbenzene	11.36	91	738290	49.02	ug/l	98
79) 2-Chlorotoluene	11.42	91	502427	55.00	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	607024	55.13	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	51334	40.89	ug/l	95
82) 4-Chlorotoluene	11.51	91	572199	53.67	ug/l	99
83) tert-Butylbenzene	11.77	119	646113	61.63	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	691095	61.47	ug/l	98
85) sec-Butylbenzene	11.94	105	760550	56.93	ug/l	99
86) p-Isopropyltoluene	12.07	119	651956	55.26	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	360280	53.34	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	345275	49.47	ug/l	97
89) n-Butylbenzene	12.39	91	567841	52.82	ug/l	97
90) Hexachloroethane	12.60	117	105830	56.04	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	375538	54.93	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52682	58.40	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	278330	57.49	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	135427	53.55	ug/l	99
95) Naphthalene	13.83	128	866433	63.81	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	288112	57.93	ug/l	96

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

