

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050319\
 Data File : VX009335.D
 Acq On : 04 May 2019 01:13
 Operator : JC/SP
 Sample : K2663-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:25:10 AM

Quant Time: May 04 07:01:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	163579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122512	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113314	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	5.50	113	83697	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.71	98	334717	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.13	95	124299	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	64058	42.496	ug/l	97
3) Chloromethane	1.32	50	94013	45.682	ug/l	99
4) Vinyl Chloride	1.41	62	94278	46.979	ug/l	97
5) Bromomethane	1.64	94	54846	45.534	ug/l	97
6) Chloroethane	1.71	64	58304	45.251	ug/l	98
7) Trichlorofluoromethane	1.92	101	115454	47.329	ug/l	99
8) Diethyl Ether	2.19	74	57170	49.477	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68288	44.579	ug/l	99
10) Methyl Iodide	2.51	142	82396	46.634	ug/l	100
11) Tert butyl alcohol	3.05	59	147537	285.429	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73023	47.577	ug/l	94
13) Acrolein	2.29	56	117455	250.909	ug/l	100
14) Allyl chloride	2.73	41	179648	48.029	ug/l	98
15) Acrylonitrile	3.14	53	339847	268.898	ug/l	99
16) Acetone	2.45	43	293867	245.081	ug/l	99
17) Carbon Disulfide	2.57	76	200483	46.525	ug/l	99
18) Methyl Acetate	2.77	43	158701	55.653	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	300582	50.432	ug/l	99
20) Methylene Chloride	2.85	84	91580	47.171	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	80038	48.084	ug/l	97
22) Diisopropyl ether	3.85	45	362487	50.393	ug/l	98
23) Vinyl Acetate	3.81	43	1610992	261.538	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172430	48.592	ug/l	99
25) 2-Butanone	4.67	43	511564	274.547	ug/l	99
26) 2,2-Dichloropropane	4.58	77	104004	39.376	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	99677	50.169	ug/l	98
28) Bromochloromethane	5.02	49	73923	51.852	ug/l	98
29) Tetrahydrofuran	5.13	42	341291	284.640	ug/l	99
30) Chloroform	5.21	83	158679	49.442	ug/l	99
31) Cyclohexane	5.58	56	149908	45.407	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	128782	48.202	ug/l	99
36) 1,1-Dichloropropene	5.80	75	118304	46.910	ug/l	99
37) Ethyl Acetate	4.84	43	184832	52.602	ug/l	99
38) Carbon Tetrachloride	5.78	117	106920	46.663	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	130373	42.095	ug/l	99
40) Benzene	6.14	78	369525	47.345	ug/l	98
41) Methacrylonitrile	5.04	41	107976	51.623	ug/l	99
42) 1,2-Dichloroethane	6.19	62	134456	48.024	ug/l	99
43) Isopropyl Acetate	6.45	43	289431	51.496	ug/l	99
44) Trichloroethene	7.21	130	86119	45.642	ug/l	97
45) 1,2-Dichloropropane	7.51	63	106938	48.388	ug/l	97
46) Dibromomethane	7.66	93	61587	47.988	ug/l	100
47) Bromodichloromethane	7.90	83	124673	48.700	ug/l	99
48) Methyl methacrylate	7.77	41	146904	52.683	ug/l	99
49) 1,4-Dioxane	7.74	88	54625	965.969	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	999428	272.053	ug/l	100
52) Toluene	8.79	92	234609	49.450	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	141616	48.997	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153492	47.980	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	95082	49.123	ug/l	98
56) Ethyl methacrylate	9.18	69	175258	50.724	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165531	48.598	ug/l	100
59) 2-Hexanone	9.49	43	798417	276.724	ug/l	100
60) Dibromochloromethane	9.58	129	94610	50.046	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95721	48.991	ug/l	99
64) Tetrachloroethene	9.34	164	72521	42.843	ug/l	98
65) Chlorobenzene	10.13	112	234766	47.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86206	48.169	ug/l	99
67) Ethyl Benzene	10.25	91	429178	47.241	ug/l	99
68) m/p-Xylenes	10.36	106	312158	94.026	ug/l	98
69) o-Xylene	10.69	106	156249	47.701	ug/l	99
70) Stvrene	10.71	104	272971	47.947	ug/l	98
71) Bromoform	10.85	173	72636	49.943	ug/l #	100
73) Isopropylbenzene	11.02	105	410064	46.028	ug/l	100
74) N-amyl acetate	10.90	43	267830	51.565	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	167852	50.541	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	144813m	50.958	ug/l	
77) Bromobenzene	11.26	156	104265	47.152	ug/l	98
78) n-propylbenzene	11.36	91	470189	46.213	ug/l	100
79) 2-Chlorotoluene	11.42	91	283735	45.201	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	351369	46.841	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51410	46.287	ug/l	97
82) 4-Chlorotoluene	11.51	91	327182	46.138	ug/l	99
83) tert-Butylbenzene	11.77	119	341694	46.825	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	353872	46.998	ug/l	100
85) sec-Butylbenzene	11.94	105	395157	45.675	ug/l	100
86) p-Isopropyltoluene	12.06	119	364309	46.841	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	185422	47.038	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	186707	46.980	ug/l	99
89) n-Butylbenzene	12.38	91	328615	46.747	ug/l	100
90) Hexachloroethane	12.60	117	61999	46.790	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	189574	47.216	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39170	52.576	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	134217	48.884	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	60301	43.008	ug/l	99
95) Naphthalene	13.83	128	471092	52.738	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134456	48.311	ug/l	99

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

