

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051320\
 Data File : VX016192.D
 Acq On : 13 May 2020 20:00
 Operator : JC/SP
 Sample : L2597-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW765-200511MSD

Manual Integrations
 APPROVED

MMDadoda
 5/14/2020 12:15:59 PM

Quant Time: May 14 07:20:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	269225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	443747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	417357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	165778	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	5.47	113	135053	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	8.70	98	523000	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.12	95	204868	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	140993	49.477	ug/l	99
3) Chloromethane	1.31	50	157403	47.562	ug/l	99
4) Vinyl Chloride	1.39	62	168349	47.680	ug/l	99
5) Bromomethane	1.62	94	75033	42.152	ug/l	98
6) Chloroethane	1.70	64	102037	47.496	ug/l	98
7) Trichlorofluoromethane	1.91	101	220300	47.525	ug/l	97
8) Diethyl Ether	2.17	74	91164	46.677	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	122929	45.966	ug/l	100
10) Methyl Iodide	2.49	142	128575	35.792	ug/l	100
11) Tert butyl alcohol	3.02	59	208768	233.035	ug/l	100
12) 1,1-Dichloroethene	2.36	96	127820	45.673	ug/l	97
13) Acrolein	2.27	56	121298	216.371	ug/l	99
14) Allyl chloride	2.71	41	235155	45.827	ug/l	96
15) Acrylonitrile	3.12	53	452180	243.307	ug/l	99
16) Acetone	2.42	43	359043	227.137	ug/l	96
17) Carbon Disulfide	2.55	76	378089	44.966	ug/l	99
18) Methyl Acetate	2.75	43	182479	46.950	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	487315	50.511	ug/l	99
20) Methylene Chloride	2.84	84	153255	47.030	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	147531	47.305	ug/l	94
22) Diisopropyl ether	3.82	45	473111	48.872	ug/l	95
23) Vinyl Acetate	3.79	43	1929751	226.578	ug/l	99
24) 1,1-Dichloroethane	3.67	63	268872	49.650	ug/l	99
25) 2-Butanone	4.64	43	623718	244.864	ug/l	99
26) 2,2-Dichloropropane	4.56	77	200031	40.446	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	184956	54.247	ug/l	96
28) Bromochloromethane	4.98	49	124580	50.451	ug/l	97
29) Tetrahydrofuran	5.09	42	408151	241.827	ug/l	98
30) Chloroform	5.18	83	273188	50.666	ug/l	99
31) Cyclohexane	5.55	56	228458	46.420	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	245927	50.178	ug/l	99
36) 1,1-Dichloropropene	5.77	75	202667	46.397	ug/l	99
37) Ethyl Acetate	4.79	43	222338	43.917	ug/l	100
38) Carbon Tetrachloride	5.75	117	214308	48.269	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	220844	41.983	ug/l	98
40) Benzene	6.12	78	616833	48.263	ug/l	100
41) Methacrylonitrile	5.01	41	126656	46.324	ug/l	97
42) 1,2-Dichloroethane	6.17	62	217483	47.237	ug/l	100
43) Isopropyl Acetate	6.42	43	366054	45.316	ug/l	99
44) Trichloroethene	7.19	130	213056	46.923	ug/l	99
45) 1,2-Dichloropropane	7.49	63	160160	49.524	ug/l	98
46) Dibromomethane	7.64	93	106679	48.541	ug/l	99
47) Bromodichloromethane	7.88	83	221312	49.444	ug/l	99
48) Methyl methacrylate	7.75	41	181158	47.329	ug/l	96
49) 1,4-Dioxane	7.71	88	85669	933.224	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1198400	242.439	ug/l	98
52) Toluene	8.77	92	393428	49.386	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	251251	47.080	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	264099	47.378	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	157468	50.240	ug/l	98
56) Ethyl methacrylate	9.16	69	256477	50.131	ug/l	96
57) 1,3-Dichloropropane	9.35	76	273013	49.920	ug/l	100
59) 2-Hexanone	9.48	43	936728	241.304	ug/l	98
60) Dibromochloromethane	9.57	129	178536	51.720	ug/l	99
61) 1,2-Dibromoethane	9.65	107	170651	50.265	ug/l	100
64) Tetrachloroethene	9.32	164	234548	45.778	ug/l	98
65) Chlorobenzene	10.12	112	422299	48.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	161843	50.106	ug/l	98
67) Ethyl Benzene	10.24	91	745829	47.832	ug/l	99
68) m/p-Xylenes	10.34	106	568967	97.393	ug/l	99
69) o-Xylene	10.68	106	274802	48.936	ug/l	99
70) Styrene	10.70	104	469142	49.245	ug/l	100
71) Bromoform	10.84	173	139496	53.008	ug/l	100
73) Isopropylbenzene	11.00	105	723332	45.861	ug/l	100
74) N-amyl acetate	10.88	43	310196	42.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	178271	56.591	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	231204m	46.985	ug/l	
77) Bromobenzene	11.24	156	189247	46.485	ug/l	99
78) n-propylbenzene	11.34	91	829473	45.206	ug/l	100
79) 2-Chlorotoluene	11.41	91	499930	46.158	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	617999	46.407	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	90613	43.883	ug/l	98
82) 4-Chlorotoluene	11.49	91	598055	46.760	ug/l	99
83) tert-Butylbenzene	11.76	119	530525	46.227	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	622290	46.221	ug/l	100
85) sec-Butylbenzene	11.93	105	677680	43.734	ug/l	100
86) p-Isopropyltoluene	12.05	119	637954	44.343	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	338801	46.349	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	338657	45.646	ug/l	99
89) n-Butylbenzene	12.37	91	543336	41.340	ug/l	99
90) Hexachloroethane	12.58	117	113762	46.043	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	326216	46.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	57969	44.698	ug/l	96
93) 1,2,4-Trichlorobenzene	13.63	180	230957	44.320	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	80022	35.812	ug/l	100
95) Naphthalene	13.82	128	791182	46.889	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	225956	44.367	ug/l	98

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

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