

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050120\
 Data File : VX016024.D
 Acq On : 01 May 2020 20:03
 Operator : JC/SP
 Sample : L2469-09MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:20:05 PM

Quant Time: May 02 08:12:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	270168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	445153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	413632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	171633	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	5.47	113	133124	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	8.70	98	504761	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.12	95	200066	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	128097	52.985	ug/l	98
3) Chloromethane	1.31	50	152886	52.180	ug/l	98
4) Vinyl Chloride	1.39	62	179553	53.961	ug/l	98
5) Bromomethane	1.62	94	91551	40.984	ug/l	97
6) Chloroethane	1.70	64	114182	51.588	ug/l	98
7) Trichlorofluoromethane	1.91	101	234657	46.657	ug/l	98
8) Diethyl Ether	2.17	74	102801	48.961	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	133755	53.353	ug/l	99
10) Methyl Iodide	2.49	142	182267	52.118	ug/l	98
11) Tert butyl alcohol	3.02	59	238281	277.895	ug/l	100
12) 1,1-Dichloroethene	2.36	96	136643	52.862	ug/l	96
13) Acrolein	2.27	56	69380	321.971	ug/l	99
14) Allyl chloride	2.70	41	258858	55.537	ug/l	95
15) Acrylonitrile	3.12	53	484718	285.102	ug/l	100
16) Acetone	2.42	43	424384	280.957	ug/l	99
17) Carbon Disulfide	2.55	76	397948	52.785	ug/l	99
18) Methyl Acetate	2.75	43	220521	51.447	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	512084	54.774	ug/l	99
20) Methylene Chloride	2.84	84	159319	53.281	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	152780	52.445	ug/l	99
22) Diisopropyl ether	3.82	45	508695	55.513	ug/l	97
23) Vinyl Acetate	3.79	43	2001143	251.395	ug/l	100
24) 1,1-Dichloroethane	3.67	63	306465	60.036	ug/l	100
25) 2-Butanone	4.64	43	690783	282.213	ug/l	99
26) 2,2-Dichloropropane	4.56	77	221821	47.526	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	177304	53.633	ug/l	99
28) Bromochloromethane	4.98	49	122036	49.403	ug/l	96
29) Tetrahydrofuran	5.09	42	451796	281.644	ug/l	99
30) Chloroform	5.18	83	284888	53.670	ug/l	99
31) Cyclohexane	5.55	56	247546	54.472	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	258174	52.825	ug/l	99
36) 1,1-Dichloropropene	5.77	75	212465	50.112	ug/l	98
37) Ethyl Acetate	4.79	43	241066	49.585	ug/l	99
38) Carbon Tetrachloride	5.76	117	222053	49.585	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	250800	51.140	ug/l	98
40) Benzene	6.12	78	631896	52.234	ug/l	100
41) Methacrylonitrile	5.01	41	144200	55.412	ug/l	97
42) 1,2-Dichloroethane	6.17	62	235300	50.199	ug/l	100
43) Isopropyl Acetate	6.42	43	398340	49.479	ug/l	99
44) Trichloroethene	7.19	130	211529	48.511	ug/l	99
45) 1,2-Dichloropropane	7.49	63	164461	52.603	ug/l	99
46) Dibromomethane	7.64	93	110885	49.913	ug/l	99
47) Bromodichloromethane	7.88	83	230286	52.164	ug/l	97
48) Methyl methacrylate	7.75	41	200593	53.966	ug/l	97
49) 1,4-Dioxane	7.71	88	95119	1087.786	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1321873	270.694	ug/l	98
52) Toluene	8.77	92	401425	52.276	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	265045	50.598	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	272345	50.551	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	161462	52.615	ug/l	98
56) Ethyl methacrylate	9.16	69	269802	54.070	ug/l	96
57) 1,3-Dichloropropane	9.35	76	280518	53.203	ug/l	99
59) 2-Hexanone	9.48	43	1040311	272.596	ug/l	98
60) Dibromochloromethane	9.57	129	184322	53.664	ug/l	97
61) 1,2-Dibromoethane	9.66	107	176433	53.019	ug/l	99
64) Tetrachloroethene	9.32	164	243354	49.594	ug/l	96
65) Chlorobenzene	10.12	112	428537	50.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	163662	51.400	ug/l	98
67) Ethyl Benzene	10.24	91	772921	51.518	ug/l	99
68) m/p-Xylenes	10.34	106	584465	102.664	ug/l	99
69) o-Xylene	10.68	106	284494	52.635	ug/l	99
70) Stvrene	10.70	104	491364	52.981	ug/l	99
71) Bromoform	10.84	173	138448	47.875	ug/l #	99
73) Isopropylbenzene	11.01	105	763093	52.942	ug/l	100
74) N-amyl acetate	10.88	43	334664	48.141	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	170498	50.887	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	240620m	54.120	ug/l	
77) Bromobenzene	11.24	156	189661	51.118	ug/l	95
78) n-propylbenzene	11.35	91	868269	52.365	ug/l	99
79) 2-Chlorotoluene	11.41	91	522215	52.860	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	643566	53.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	99247	52.752	ug/l	96
82) 4-Chlorotoluene	11.49	91	619688	52.446	ug/l	99
83) tert-Butylbenzene	11.76	119	555063	53.019	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	648826	53.096	ug/l	99
85) sec-Butylbenzene	11.93	105	743794	52.733	ug/l	99
86) p-Isopropyltoluene	12.05	119	689349	52.177	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	338251	49.993	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	343347	50.211	ug/l	99
89) n-Butylbenzene	12.37	91	606351	50.793	ug/l	99
90) Hexachloroethane	12.58	117	124021	53.128	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	329077	50.863	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	62774	52.751	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	236101	48.620	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	102789	47.376	ug/l	97
95) Naphthalene	13.82	128	810947	52.948	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	237082	50.703	ug/l	97

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

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