

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042319\
 Data File : VX009131.D
 Acq On : 23 Apr 2019 19:10
 Operator : JC/SP
 Sample : K2537-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW024-190422MSD

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:03:14 PM

Quant Time: Apr 24 09:08:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	169812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	136571	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
35) Dibromofluoromethane	5.50	113	100640	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	8.71	98	392555	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	11.13	95	140604	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	109255	55.859	ug/l	98
3) Chloromethane	1.32	50	129272	53.836	ug/l	99
4) Vinyl Chloride	1.41	62	129338	55.341	ug/l	97
5) Bromomethane	1.64	94	238772	154.441	ug/l	97
6) Chloroethane	1.71	64	78760	57.309	ug/l	100
7) Trichlorofluoromethane	1.92	101	149558	54.809	ug/l	96
8) Diethyl Ether	2.19	74	68161	54.620	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	93576	53.636	ug/l	98
10) Methyl Iodide	2.51	142	113553	58.687	ug/l	99
11) Tert butyl alcohol	3.06	59	158900	299.128	ug/l	99
12) 1,1-Dichloroethene	2.37	96	97124	53.334	ug/l	98
13) Acrolein	2.29	56	108657	236.732	ug/l	99
14) Allyl chloride	2.73	41	228496	57.513	ug/l	100
15) Acrylonitrile	3.15	53	395705	293.447	ug/l	100
16) Acetone	2.45	43	337028	271.573	ug/l	100
17) Carbon Disulfide	2.57	76	296970	55.358	ug/l	99
18) Methyl Acetate	2.78	43	173891	56.143	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	369965	57.018	ug/l	99
20) Methylene Chloride	2.85	84	113237	53.356	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	108953	56.093	ug/l	99
22) Diisopropyl ether	3.86	45	442885	57.367	ug/l	90
23) Vinyl Acetate	3.82	43	1985047	292.508	ug/l	99
24) 1,1-Dichloroethane	3.70	63	218533	56.390	ug/l	99
25) 2-Butanone	4.68	43	585822	295.319	ug/l	100
26) 2,2-Dichloropropane	4.59	77	134575	46.326	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	139004	63.032	ug/l	98
28) Bromochloromethane	5.02	49	87818	54.739	ug/l	100
29) Tetrahydrofuran	5.13	42	394956	297.469	ug/l	99
30) Chloroform	5.21	83	195011	56.233	ug/l	100
31) Cyclohexane	5.58	56	208266	54.639	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	162624	56.580	ug/l	99
36) 1,1-Dichloropropene	5.80	75	151384	51.518	ug/l	100
37) Ethyl Acetate	4.84	43	217737	57.585	ug/l	99
38) Carbon Tetrachloride	5.79	117	134313	53.916	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	182485	51.006	ug/l	98
40) Benzene	6.14	78	470217	54.243	ug/l	99
41) Methacrylonitrile	5.04	41	123189	56.767	ug/l	98
42) 1,2-Dichloroethane	6.19	62	167513	54.551	ug/l	99
43) Isopropyl Acetate	6.45	43	340213	55.834	ug/l	100
44) Trichloroethene	7.21	130	110452	52.002	ug/l	99
45) 1,2-Dichloropropane	7.51	63	131700	54.763	ug/l	98
46) Dibromomethane	7.66	93	76736	54.827	ug/l	99
47) Bromodichloromethane	7.90	83	151954	55.354	ug/l	98
48) Methyl methacrylate	7.77	41	174483	57.953	ug/l	99
49) 1,4-Dioxane	7.74	88	61794	1096.571	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1125636	289.971	ug/l	99
52) Toluene	8.79	92	278658	53.637	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	173422	54.893	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	191426	54.114	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	113341	55.045	ug/l	98
56) Ethyl methacrylate	9.18	69	209874	56.845	ug/l	99
57) 1,3-Dichloropropane	9.37	76	201354	54.923	ug/l	99
59) 2-Hexanone	9.49	43	873531	291.872	ug/l	100
60) Dibromochloromethane	9.58	129	111516	56.509	ug/l	100
61) 1,2-Dibromoethane	9.67	107	117085	55.096	ug/l	99
64) Tetrachloroethene	9.34	164	90536	47.256	ug/l	98
65) Chlorobenzene	10.14	112	281582	52.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	103626	55.260	ug/l	99
67) Ethyl Benzene	10.25	91	524470	53.898	ug/l	100
68) m/p-Xylenes	10.36	106	383203	108.359	ug/l	99
69) o-Xylene	10.69	106	187518	54.495	ug/l	99
70) Stvrene	10.71	104	327629	54.944	ug/l	99
71) Bromoform	10.85	173	83709	56.031	ug/l #	99
73) Isopropylbenzene	11.02	105	497253	53.152	ug/l	100
74) N-amyl acetate	10.90	43	298836	55.633	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	188542	55.158	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	185762m	61.639	ug/l	
77) Bromobenzene	11.26	156	120599	51.093	ug/l	98
78) n-propylbenzene	11.36	91	574527	53.506	ug/l	100
79) 2-Chlorotoluene	11.42	91	342134	52.875	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	419131	53.389	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	60748	51.749	ug/l	97
82) 4-Chlorotoluene	11.51	91	395144	52.582	ug/l	100
83) tert-Butylbenzene	11.77	119	403985	53.599	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	424091	53.070	ug/l	100
85) sec-Butylbenzene	11.94	105	477765	53.148	ug/l	99
86) p-Isopropyltoluene	12.06	119	435402	52.682	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	214709	51.972	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	215232	51.394	ug/l	99
89) n-Butylbenzene	12.38	91	399552	51.911	ug/l	100
90) Hexachloroethane	12.60	117	73287	53.758	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	217070	53.211	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44098	56.661	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	154653	52.517	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	75375	51.320	ug/l	99
95) Naphthalene	13.83	128	524619	55.605	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	154922	53.319	ug/l	99

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

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