

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041619\
 Data File : VX009000.D
 Acq On : 16 Apr 2019 20:07
 Operator : JC/SP
 Sample : K2387-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW318-190410MSD

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:59:10 AM

Quant Time: Apr 17 06:38:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	204373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143085	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	143647	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	5.50	113	104947	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	426938	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.13	95	155774	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	124864	53.044	ug/l	99
3) Chloromethane	1.32	50	154521	53.469	ug/l	98
4) Vinyl Chloride	1.41	62	188537	67.029	ug/l	98
5) Bromomethane	1.64	94	87392	49.645	ug/l	100
6) Chloroethane	1.71	64	87356	52.815	ug/l	98
7) Trichlorofluoromethane	1.93	101	165369	50.355	ug/l	97
8) Diethyl Ether	2.19	74	76152	50.704	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	102761	48.940	ug/l	99
10) Methyl Iodide	2.51	142	127021	54.858	ug/l	100
11) Tert butyl alcohol	3.05	59	157506	246.362	ug/l	99
12) 1,1-Dichloroethene	2.37	96	109108	49.783	ug/l	96
13) Acrolein	2.29	56	54222	98.157	ug/l	100
14) Allyl chloride	2.73	41	240556	50.309	ug/l	99
15) Acrylonitrile	3.14	53	424273	261.426	ug/l	100
16) Acetone	2.45	43	351277	235.188	ug/l	100
17) Carbon Disulfide	2.57	76	322113	50.015	ug/l	99
18) Methyl Acetate	2.77	43	181322	48.642	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	404968	51.858	ug/l	100
20) Methylene Chloride	2.85	84	127059	49.744	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	116964	50.035	ug/l	99
22) Diisopropyl ether	3.85	45	472623	50.867	ug/l #	77
23) Vinyl Acetate	3.85	43	226259	27.702	ug/l #	75
24) 1,1-Dichloroethane	3.70	63	236981	50.809	ug/l	100
25) 2-Butanone	4.67	43	612629	256.607	ug/l	98
26) 2,2-Dichloropropane	4.58	77	154466	44.182	ug/l	84
27) cis-1,2-Dichloroethene	4.59	96	443599	167.136	ug/l	93
28) Bromochloromethane	5.02	49	108119	56.043	ug/l	100
29) Tetrahydrofuran	5.13	42	415196	259.831	ug/l	99
30) Chloroform	5.21	83	214634	51.425	ug/l	99
31) Cyclohexane	5.58	56	232960	50.782	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	177325	51.262	ug/l	99
36) 1,1-Dichloropropene	5.80	75	166984	47.967	ug/l	99
37) Ethyl Acetate	4.83	43	230311	51.414	ug/l	99
38) Carbon Tetrachloride	5.78	117	148115	50.186	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	205126	48.395	ug/l	99
40) Benzene	6.14	78	518555	50.492	ug/l	99
41) Methacrylonitrile	5.04	41	135703	52.783	ug/l	99
42) 1,2-Dichloroethane	6.19	62	184275	50.653	ug/l	99
43) Isopropyl Acetate	6.45	43	369790	51.225	ug/l	100
44) Trichloroethene	7.21	130	270920	107.664	ug/l	99
45) 1,2-Dichloropropane	7.51	63	145387	51.028	ug/l	99
46) Dibromomethane	7.66	93	82726	49.891	ug/l	99
47) Bromodichloromethane	7.90	83	167486	51.499	ug/l	99
48) Methyl methacrylate	7.77	41	191226	53.611	ug/l	99
49) 1,4-Dioxane	7.74	88	58995	883.668	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1208976	262.880	ug/l	100
52) Toluene	8.79	92	314159	51.042	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	193195	51.617	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	211061	50.361	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	124373	50.985	ug/l	99
56) Ethyl methacrylate	9.18	69	235157	53.762	ug/l	99
57) 1,3-Dichloropropane	9.37	76	222790	51.295	ug/l	100
59) 2-Hexanone	9.49	43	910328	256.741	ug/l	100
60) Dibromochloromethane	9.58	129	124383	53.202	ug/l	99
61) 1,2-Dibromoethane	9.67	107	128417	51.006	ug/l	99
64) Tetrachloroethene	9.34	164	618833	268.085	ug/l	98
65) Chlorobenzene	10.14	112	321413	50.114	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	116023	51.351	ug/l	99
67) Ethyl Benzene	10.25	91	598283	51.029	ug/l	99
68) m/p-Xylenes	10.36	106	429479	100.795	ug/l	99
69) o-Xylene	10.69	106	210669	50.813	ug/l	98
70) Styrene	10.69	104	10684	1.487	ug/l #	1
71) Bromoform	10.85	173	92410	51.338	ug/l #	98
73) Isopropylbenzene	11.02	105	558298	51.476	ug/l	99
74) N-amyl acetate	10.90	43	322959	51.861	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	200024	50.476	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	177171m	50.709	ug/l	
77) Bromobenzene	11.26	156	138501	50.613	ug/l	99
78) n-propylbenzene	11.36	91	642840	51.640	ug/l	100
79) 2-Chlorotoluene	11.42	91	385517	51.393	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	469025	51.534	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	67244	49.411	ug/l	96
82) 4-Chlorotoluene	11.51	91	445482	51.134	ug/l	100
83) tert-Butylbenzene	11.77	119	451343	51.653	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	474306	51.197	ug/l	99
85) sec-Butylbenzene	11.94	105	536919	51.520	ug/l	100
86) p-Isopropyltoluene	12.06	119	487423	50.872	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	239611	50.029	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	239532	49.337	ug/l	100
89) n-Butylbenzene	12.38	91	446475	50.035	ug/l	100
90) Hexachloroethane	12.60	117	81798	51.755	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	237278	50.171	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45178	50.072	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	168376	49.320	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	81133	47.649	ug/l	99
95) Naphthalene	13.83	128	546842	49.996	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	165710	49.194	ug/l	100

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

