

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051719\
 Data File : VX009686.D
 Acq On : 18 May 2019 00:48
 Operator : JC/SP
 Sample : K2891-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MSD

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:26 AM

Quant Time: May 18 06:43:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	140052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	227618	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	210804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105676	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	90391	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	5.50	113	66900	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
50) Toluene-d8	8.71	98	261374	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
62) 4-Bromofluorobenzene	11.13	95	100518	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	53955	41.806	ug/l	99
3) Chloromethane	1.32	50	84190	47.781	ug/l	99
4) Vinyl Chloride	1.41	62	82765	48.170	ug/l	98
5) Bromomethane	1.64	94	49877	48.365	ug/l	97
6) Chloroethane	1.70	64	57012	51.682	ug/l	98
7) Trichlorofluoromethane	1.92	101	105226	50.383	ug/l	96
8) Diethyl Ether	2.19	74	50440	50.986	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	62732	47.831	ug/l	99
10) Methyl Iodide	2.50	142	66886	44.454	ug/l	99
11) Tert butyl alcohol	3.07	59	149569	337.969	ug/l	99
12) 1,1-Dichloroethene	2.37	96	64851	49.350	ug/l	96
13) Acrolein	2.29	56	98928	246.833	ug/l	98
14) Allyl chloride	2.72	41	157531	49.191	ug/l	99
15) Acrylonitrile	3.15	53	311101	287.504	ug/l	99
16) Acetone	2.45	43	289811	282.301	ug/l	97
17) Carbon Disulfide	2.56	76	166825	45.217	ug/l	100
18) Methyl Acetate	2.78	43	114500	46.898	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	270657	53.039	ug/l	99
20) Methylene Chloride	2.85	84	83240	50.078	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	70519	49.482	ug/l	94
22) Diisopropyl ether	3.86	45	327855	53.235	ug/l	92
23) Vinyl Acetate	3.82	43	1176435	223.074	ug/l	99
24) 1,1-Dichloroethane	3.70	63	155413	51.154	ug/l	98
25) 2-Butanone	4.68	43	479097	300.316	ug/l	97
26) 2,2-Dichloropropane	4.59	77	77570	34.302	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	86223	50.688	ug/l	97
28) Bromochloromethane	5.02	49	51409	41.573	ug/l	95
29) Tetrahydrofuran	5.13	42	311930	303.855	ug/l	98
30) Chloroform	5.21	83	145041	52.784	ug/l	99
31) Cyclohexane	5.58	56	138850	49.123	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	118759	51.918	ug/l	99
36) 1,1-Dichloropropene	5.80	75	103986	49.159	ug/l	99
37) Ethyl Acetate	4.84	43	142815	48.458	ug/l	99
38) Carbon Tetrachloride	5.78	117	97203	50.577	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	122664	47.219	ug/l	98
40) Benzene	6.14	78	331509	50.640	ug/l	98
41) Methacrylonitrile	5.05	41	96408	54.952	ug/l	99
42) 1,2-Dichloroethane	6.19	62	124554	53.040	ug/l	99
43) Isopropyl Acetate	6.45	43	239222	50.745	ug/l	99
44) Trichloroethene	7.21	130	77565	49.011	ug/l	98
45) 1,2-Dichloropropane	7.51	63	96626	52.126	ug/l	99
46) Dibromomethane	7.66	93	54991	51.086	ug/l	98
47) Bromodichloromethane	7.90	83	112969	52.611	ug/l	98
48) Methyl methacrylate	7.77	41	135104	57.765	ug/l	99
49) 1,4-Dioxane	7.74	88	56389	1188.852	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	947422	307.473	ug/l	99
52) Toluene	8.79	92	213032	53.534	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	124648	51.417	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	133318	49.685	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	86667	53.383	ug/l	97
56) Ethyl methacrylate	9.18	69	163403	56.385	ug/l	99
57) 1,3-Dichloropropane	9.37	76	150844	52.799	ug/l	98
59) 2-Hexanone	9.49	43	730166	301.718	ug/l	99
60) Dibromochloromethane	9.59	129	87072	54.913	ug/l	99
61) 1,2-Dibromoethane	9.67	107	87186	53.201	ug/l	100
64) Tetrachloroethene	9.34	164	68334	47.257	ug/l	98
65) Chlorobenzene	10.14	112	216474	51.333	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	81013	52.990	ug/l	98
67) Ethyl Benzene	10.25	91	397363	51.200	ug/l	100
68) m/p-Xylenes	10.36	106	291515	102.788	ug/l	98
69) o-Xylene	10.70	106	142492	50.922	ug/l	98
70) Stvrene	10.71	104	248942	51.185	ug/l	99
71) Bromoform	10.85	173	67895	54.647	ug/l #	99
73) Isopropylbenzene	11.02	105	382115	49.725	ug/l	99
74) N-amyl acetate	10.90	43	200825	44.825	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	149833	52.303	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	127745m	52.113	ug/l	
77) Bromobenzene	11.26	156	96227	50.450	ug/l	100
78) n-propylbenzene	11.36	91	441092	50.260	ug/l	99
79) 2-Chlorotoluene	11.42	91	266500	49.220	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	327226	50.572	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	44976	46.945	ug/l	96
82) 4-Chlorotoluene	11.51	91	309258	50.559	ug/l	99
83) tert-Butylbenzene	11.77	119	317929	50.509	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	330243	50.848	ug/l	100
85) sec-Butylbenzene	11.94	105	373474	50.046	ug/l	100
86) p-Isopropyltoluene	12.06	119	340209	50.711	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	170568	50.164	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	168504	49.155	ug/l	99
89) n-Butylbenzene	12.38	91	303959	50.128	ug/l	100
90) Hexachloroethane	12.60	117	58364	51.064	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	172373	49.772	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34916	54.332	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	119550	50.479	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	59776	49.426	ug/l	100
95) Naphthalene	13.83	128	406516	52.759	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122993	51.233	ug/l	100

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

