

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051719\
 Data File : VX009685.D
 Acq On : 18 May 2019 00:24
 Operator : JC/SP
 Sample : K2891-07MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:22 AM

Quant Time: May 18 06:41:52 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	138991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	226411	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107130	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	96103	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	5.50	113	69682	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	8.71	98	277349	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.13	95	105726	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	50956	39.784	ug/l	97
3) Chloromethane	1.32	50	84397	48.264	ug/l	99
4) Vinyl Chloride	1.41	62	81813	47.980	ug/l	99
5) Bromomethane	1.64	94	41914	40.953	ug/l	95
6) Chloroethane	1.71	64	58412	53.355	ug/l	99
7) Trichlorofluoromethane	1.92	101	102314	49.362	ug/l	96
8) Diethyl Ether	2.19	74	51048	51.994	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59465	45.686	ug/l	99
10) Methyl Iodide	2.50	142	53750	36.870	ug/l	98
11) Tert butyl alcohol	3.07	59	147760	336.430	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63323	48.556	ug/l	98
13) Acrolein	2.29	56	99356	249.793	ug/l	99
14) Allyl chloride	2.72	41	157963	49.702	ug/l	98
15) Acrylonitrile	3.15	53	309579	288.282	ug/l	99
16) Acetone	2.45	43	290658	285.287	ug/l	97
17) Carbon Disulfide	2.56	76	164622	44.961	ug/l	99
18) Methyl Acetate	2.78	43	116030	47.887	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	272847	53.877	ug/l	99
20) Methylene Chloride	2.85	84	82581	50.061	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	70756	50.028	ug/l	95
22) Diisopropyl ether	3.86	45	326858	53.478	ug/l	92
23) Vinyl Acetate	3.82	43	1185767	226.560	ug/l	100
24) 1,1-Dichloroethane	3.70	63	155297	51.506	ug/l	100
25) 2-Butanone	4.68	43	475845	300.554	ug/l	99
26) 2,2-Dichloropropane	4.59	77	78729	35.080	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	85498	50.645	ug/l	98
28) Bromochloromethane	5.02	49	52825	43.147	ug/l	96
29) Tetrahydrofuran	5.13	42	306351	300.699	ug/l	99
30) Chloroform	5.21	83	146004	53.540	ug/l	99
31) Cyclohexane	5.58	56	132219	47.134	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	117486	51.754	ug/l	99
36) 1,1-Dichloropropene	5.80	75	103076	48.989	ug/l	100
37) Ethyl Acetate	4.84	43	143765	49.040	ug/l	99
38) Carbon Tetrachloride	5.79	117	96663	50.564	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	113313	43.852	ug/l	98
40) Benzene	6.15	78	331548	50.915	ug/l	99
41) Methacrylonitrile	5.04	41	96946	55.554	ug/l	99
42) 1,2-Dichloroethane	6.20	62	123865	53.028	ug/l	100
43) Isopropyl Acetate	6.45	43	238530	50.868	ug/l	99
44) Trichloroethene	7.21	130	77073	48.959	ug/l	100
45) 1,2-Dichloropropane	7.51	63	97417	52.833	ug/l	98
46) Dibromomethane	7.66	93	55128	51.486	ug/l	98
47) Bromodichloromethane	7.90	83	111875	52.380	ug/l	98
48) Methyl methacrylate	7.77	41	134255	57.708	ug/l	99
49) 1,4-Dioxane	7.74	88	55968	1186.267	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	948165	309.354	ug/l	99
52) Toluene	8.79	92	210830	53.263	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	123500	51.215	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	134170	50.269	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	86953	53.845	ug/l	98
56) Ethyl methacrylate	9.18	69	161600	56.060	ug/l	98
57) 1,3-Dichloropropane	9.37	76	149970	52.773	ug/l	99
59) 2-Hexanone	9.49	43	741378	307.984	ug/l	98
60) Dibromochloromethane	9.58	129	86102	54.591	ug/l	98
61) 1,2-Dibromoethane	9.67	107	86096	52.816	ug/l	99
64) Tetrachloroethene	9.33	164	68086	46.681	ug/l	98
65) Chlorobenzene	10.14	112	216325	50.858	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	79330	51.443	ug/l	99
67) Ethyl Benzene	10.25	91	396000	50.587	ug/l	99
68) m/p-Xylenes	10.36	106	290674	101.611	ug/l	98
69) o-Xylene	10.70	106	143896	50.983	ug/l	99
70) Stvrene	10.71	104	249344	50.828	ug/l	99
71) Bromoform	10.86	173	67584	53.930	ug/l #	99
73) Isopropylbenzene	11.02	105	382151	49.054	ug/l	99
74) N-amyl acetate	10.90	43	202943	44.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	151385	52.127	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	128285m	51.623	ug/l	
77) Bromobenzene	11.26	156	95899	49.596	ug/l	100
78) n-propylbenzene	11.36	91	445732	50.099	ug/l	100
79) 2-Chlorotoluene	11.42	91	267571	48.747	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	327490	49.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45045	46.379	ug/l	95
82) 4-Chlorotoluene	11.51	91	307998	49.669	ug/l	100
83) tert-Butylbenzene	11.77	119	326387	51.149	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	330838	50.248	ug/l	100
85) sec-Butylbenzene	11.94	105	372285	49.210	ug/l	100
86) p-Isopropyltoluene	12.06	119	339093	49.859	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	170515	49.468	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	171685	49.403	ug/l	99
89) n-Butylbenzene	12.39	91	302711	49.245	ug/l	100
90) Hexachloroethane	12.60	117	58300	50.316	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	174874	49.809	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35525	54.530	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	119058	49.589	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	58215	47.482	ug/l	98
95) Naphthalene	13.83	128	410716	52.581	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122718	50.425	ug/l	100

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

