

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041619\
 Data File : VX009002.D
 Acq On : 16 Apr 2019 20:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:59:16 AM

Quant Time: Apr 17 06:43:36 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	5.67	168	206318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	306939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142250	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	140533	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	5.50	113	103198	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	8.71	98	423112	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	11.13	95	151002	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	130555	54.938	ug/l	99
3) Chloromethane	1.32	50	161977	55.520	ug/l	100
4) Vinyl Chloride	1.41	62	152853	53.830	ug/l	98
5) Bromomethane	1.64	94	91978	51.594	ug/l	96
6) Chloroethane	1.71	64	91716	54.928	ug/l	97
7) Trichlorofluoromethane	1.92	101	171314	51.674	ug/l	98
8) Diethyl Ether	2.19	74	77655	51.217	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	107768	50.841	ug/l	98
10) Methyl Iodide	2.51	142	127324	54.501	ug/l	100
11) Tert butyl alcohol	3.05	59	174120	269.782	ug/l	100
12) 1,1-Dichloroethene	2.37	96	111370	50.336	ug/l	99
13) Acrolein	2.29	56	129398	232.037	ug/l	99
14) Allyl chloride	2.73	41	258309	53.513	ug/l	99
15) Acrylonitrile	3.14	53	434534	265.224	ug/l	100
16) Acetone	2.45	43	373682	247.830	ug/l	99
17) Carbon Disulfide	2.57	76	327014	50.290	ug/l	99
18) Methyl Acetate	2.77	43	197910	52.591	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	417084	52.906	ug/l	100
20) Methylene Chloride	2.85	84	130705	50.689	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	117465	49.775	ug/l	96
22) Diisopropyl ether	3.85	45	500648	53.375	ug/l	96
23) Vinyl Acetate	3.81	43	2280205	276.549	ug/l	99
24) 1,1-Dichloroethane	3.70	63	244454	51.918	ug/l	99
25) 2-Butanone	4.67	43	644002	267.205	ug/l	99
26) 2,2-Dichloropropane	4.58	77	164961	46.739	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	137142	51.184	ug/l	100
28) Bromochloromethane	5.01	49	115972	59.672	ug/l	100
29) Tetrahydrofuran	5.13	42	427205	264.826	ug/l	99
30) Chloroform	5.21	83	220151	52.250	ug/l	99
31) Cyclohexane	5.58	56	240854	52.008	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	183806	52.635	ug/l	100
36) 1,1-Dichloropropene	5.80	75	173426	49.581	ug/l	99
37) Ethyl Acetate	4.83	43	246453	54.757	ug/l	100
38) Carbon Tetrachloride	5.78	117	153675	51.824	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	214283	50.316	ug/l	99
40) Benzene	6.14	78	533702	51.722	ug/l	99
41) Methacrylonitrile	5.04	41	138808	53.735	ug/l	99
42) 1,2-Dichloroethane	6.19	62	187461	51.285	ug/l	100
43) Isopropyl Acetate	6.45	43	390568	53.848	ug/l	100
44) Trichloroethene	7.21	130	125498	49.637	ug/l	97
45) 1,2-Dichloropropane	7.51	63	150445	52.554	ug/l	97
46) Dibromomethane	7.66	93	85222	51.153	ug/l	99
47) Bromodichloromethane	7.90	83	173454	53.082	ug/l	100
48) Methyl methacrylate	7.77	41	196084	54.713	ug/l	99
49) 1,4-Dioxane	7.74	88	69635	1038.107	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1256003	271.814	ug/l	99
52) Toluene	8.78	92	320006	51.746	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	200280	53.257	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	219790	52.196	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	128649	52.489	ug/l	99
56) Ethyl methacrylate	9.18	69	242188	55.107	ug/l	99
57) 1,3-Dichloropropane	9.37	76	230202	52.751	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	620349	262.124	ug/l	100
59) 2-Hexanone	9.49	43	946963	265.810	ug/l	99
60) Dibromochloromethane	9.58	129	127083	54.100	ug/l	100
61) 1,2-Dibromoethane	9.67	107	132381	52.332	ug/l	99
64) Tetrachloroethene	9.34	164	112422	48.213	ug/l	98
65) Chlorobenzene	10.13	112	328024	50.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	119540	52.376	ug/l	99
67) Ethyl Benzene	10.25	91	609879	51.496	ug/l	99
68) m/p-Xylenes	10.36	106	441605	102.600	ug/l	99
69) o-Xylene	10.70	106	217270	51.879	ug/l	99
70) Styrene	10.71	104	380073	52.370	ug/l	99
71) Bromoform	10.85	173	94500	51.972	ug/l #	99
73) Isopropylbenzene	11.02	105	578329	53.636	ug/l	100
74) N-amyl acetate	10.90	43	343545	55.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	202919	51.507	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	177606m	51.132	ug/l	
77) Bromobenzene	11.26	156	141316	51.945	ug/l	99
78) n-propylbenzene	11.36	91	668594	54.025	ug/l	100
79) 2-Chlorotoluene	11.42	91	393978	52.829	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	479937	53.043	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	70084	51.800	ug/l	97
82) 4-Chlorotoluene	11.51	91	453854	52.401	ug/l	100
83) tert-Butylbenzene	11.77	119	460308	52.988	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	486617	52.834	ug/l	100
85) sec-Butylbenzene	11.94	105	548298	52.921	ug/l	99
86) p-Isopropyltoluene	12.06	119	500935	52.589	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	243513	51.143	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242588	50.259	ug/l	100
89) n-Butylbenzene	12.38	91	458640	51.700	ug/l	100
90) Hexachloroethane	12.60	117	84819	53.982	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	240992	51.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46423	51.754	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	170604	50.266	ug/l	100
94) Hexachlorobutadiene	13.78	225	84280	49.788	ug/l	99
95) Naphthalene	13.83	128	559670	51.469	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	170367	50.874	ug/l	100

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

