

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020819\
 Data File : VX007454.D
 Acq On : 08 Feb 2019 20:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:44:17 AM

Quant Time: Feb 08 23:28:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	475324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	712802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	648203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	333604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	245687	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	5.50	113	225040	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	836670	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.13	95	297968	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	266017	45.559	ug/l	99
3) Chloromethane	1.33	50	239220	44.682	ug/l	99
4) Vinyl Chloride	1.41	62	258212	49.162	ug/l	99
5) Bromomethane	1.64	94	219619	42.212	ug/l	99
6) Chloroethane	1.72	64	157753	46.430	ug/l	100
7) Trichlorofluoromethane	1.93	101	394498	48.014	ug/l	98
8) Diethyl Ether	2.19	74	146180	47.269	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	223897	45.811	ug/l	99
10) Methyl Iodide	2.51	142	285552	39.718	ug/l	100
11) Tert butyl alcohol	3.07	59	252955	242.270	ug/l	99
12) 1,1-Dichloroethene	2.38	96	207643	45.753	ug/l	99
13) Acrolein	2.30	56	119134	243.325	ug/l	99
14) Allyl chloride	2.73	41	357917	48.402	ug/l	99
15) Acrylonitrile	3.15	53	639725	247.677	ug/l	100
16) Acetone	2.45	43	550142	238.047	ug/l	100
17) Carbon Disulfide	2.57	76	524044	44.406	ug/l	99
18) Methyl Acetate	2.78	43	335697	55.681	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	711097	48.364	ug/l	99
20) Methylene Chloride	2.86	84	231712	49.079	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	221627	45.843	ug/l	96
22) Diisopropyl ether	3.87	45	667812	49.096	ug/l	97
23) Vinyl Acetate	3.82	43	2793954	247.529	ug/l	100
24) 1,1-Dichloroethane	3.70	63	372191	47.647	ug/l	100
25) 2-Butanone	4.70	43	814129	247.537	ug/l	97
26) 2,2-Dichloropropane	4.58	77	259794	43.672	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	244218	46.249	ug/l	100
28) Bromochloromethane	5.02	49	169736	47.251	ug/l	100
29) Tetrahydrofuran	5.15	42	532928	257.639	ug/l	100
30) Chloroform	5.21	83	396723	48.671	ug/l	99
31) Cyclohexane	5.57	56	318139	45.347	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	343347	49.903	ug/l	99
36) 1,1-Dichloropropene	5.80	75	283779	44.371	ug/l	99
37) Ethyl Acetate	4.85	43	309190	47.825	ug/l	99
38) Carbon Tetrachloride	5.78	117	294361	47.442	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	346356	44.761	ug/l	96
40) Benzene	6.14	78	883215	46.881	ug/l	100
41) Methacrylonitrile	5.06	41	173025	49.935	ug/l	98
42) 1,2-Dichloroethane	6.20	62	295309	45.305	ug/l	99
43) Isopropyl Acetate	6.46	43	499449	50.050	ug/l	99
44) Trichloroethene	7.21	130	254723	44.893	ug/l	99
45) 1,2-Dichloropropane	7.52	63	222413	47.119	ug/l	100
46) Dibromomethane	7.66	93	159610	46.524	ug/l	97
47) Bromodichloromethane	7.90	83	283595	48.776	ug/l	97
48) Methyl methacrylate	7.77	41	252624	50.611	ug/l	99
49) 1,4-Dioxane	7.75	88	103035	908.316	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1610977	245.232	ug/l	99
52) Toluene	8.79	92	562320	46.263	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	308300	49.365	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	338846	49.337	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	238964	47.164	ug/l	99
56) Ethyl methacrylate	9.18	69	347043	49.454	ug/l	98
57) 1,3-Dichloropropane	9.37	76	378233	46.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	916526	247.792	ug/l	99
59) 2-Hexanone	9.49	43	1223669	239.375	ug/l	100
60) Dibromochloromethane	9.58	129	250545	52.285	ug/l	97
61) 1,2-Dibromoethane	9.67	107	257146	47.924	ug/l	99
64) Tetrachloroethene	9.34	164	262038	42.890	ug/l	98
65) Chlorobenzene	10.14	112	650448	45.984	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	238151	50.217	ug/l	99
67) Ethyl Benzene	10.25	91	1076928	47.278	ug/l	99
68) m/p-Xylenes	10.36	106	844512	93.266	ug/l	100
69) o-Xylene	10.69	106	417912	47.964	ug/l	100
70) Styrene	10.71	104	674121	47.706	ug/l	99
71) Bromoform	10.85	173	188927	45.790	ug/l	100
73) Isopropylbenzene	11.02	105	1095088	48.305	ug/l	98
74) N-amyl acetate	10.90	43	437551	49.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	345104	49.950	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	329132m	50.721	ug/l	
77) Bromobenzene	11.26	156	299008	46.812	ug/l	99
78) n-propylbenzene	11.36	91	1234022	49.640	ug/l	99
79) 2-Chlorotoluene	11.42	91	718255	47.617	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	900777	48.567	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	95361	45.810	ug/l	98
82) 4-Chlorotoluene	11.51	91	833739	47.768	ug/l	99
83) tert-Butylbenzene	11.77	119	890183	48.478	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	917958	48.751	ug/l	100
85) sec-Butylbenzene	11.94	105	1097455	49.380	ug/l	100
86) p-Isopropyltoluene	12.06	119	977583	48.728	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	524903	45.790	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	526187	45.244	ug/l	100
89) n-Butylbenzene	12.38	91	835650	48.420	ug/l	100
90) Hexachloroethane	12.60	117	159317	53.061	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	522658	45.814	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72469	50.445	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	363907	47.300	ug/l	99
94) Hexachlorobutadiene	13.78	225	170990	45.771	ug/l	98
95) Naphthalene	13.83	128	1123849	49.952	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	355626	45.921	ug/l	98

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

