

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010660.D
 Acq On : 03 Jul 2019 23:02
 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
 7/8/2019 2:40:59 PM

Quant Time: Jul 04 05:38:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152300	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	107011	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	5.50	113	104278	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	8.71	98	377103	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.13	95	135879	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	96090	62.972	ug/l	99
3) Chloromethane	1.32	50	96240	54.163	ug/l	98
4) Vinyl Chloride	1.41	62	109231	56.126	ug/l	99
5) Bromomethane	1.64	94	54978	57.985	ug/l	99
6) Chloroethane	1.71	64	67165	58.495	ug/l	98
7) Trichlorofluoromethane	1.93	101	185143	60.011	ug/l	98
8) Diethyl Ether	2.19	74	63988	57.835	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	103937	55.592	ug/l	99
10) Methyl Iodide	2.51	142	133540	50.048	ug/l	96
11) Tert butyl alcohol	3.05	59	114580	212.782	ug/l	98
12) 1,1-Dichloroethene	2.37	96	104923	55.151	ug/l	99
13) Acrolein	2.29	56	56124	157.114	ug/l	97
14) Allyl chloride	2.73	41	148708	55.058	ug/l	98
15) Acrylonitrile	3.14	53	292460	274.317	ug/l	99
16) Acetone	2.45	43	231488	224.450	ug/l	97
17) Carbon Disulfide	2.57	76	265378	51.994	ug/l	98
18) Methyl Acetate	2.78	43	148960	72.467	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	338762	56.602	ug/l	99
20) Methylene Chloride	2.85	84	116916	55.085	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	111576	54.531	ug/l	98
22) Diisopropyl ether	3.85	45	318570	56.413	ug/l	95
23) Vinyl Acetate	3.82	43	1169882	239.806	ug/l	98
24) 1,1-Dichloroethane	3.70	63	182166	55.807	ug/l	100
25) 2-Butanone	4.67	43	389643	257.552	ug/l	100
26) 2,2-Dichloropropane	4.59	77	117610	41.476	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	128986	54.552	ug/l	99
28) Bromochloromethane	5.01	49	79432	50.896	ug/l	96
29) Tetrahydrofuran	5.13	42	257128	274.392	ug/l	99
30) Chloroform	5.21	83	196355	55.908	ug/l	99
31) Cyclohexane	5.58	56	167722	56.424	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	173104	55.819	ug/l	99
36) 1,1-Dichloropropene	5.80	75	144894	54.468	ug/l	98
37) Ethyl Acetate	4.83	43	146469	53.521	ug/l	99
38) Carbon Tetrachloride	5.79	117	153462	53.274	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	184282	52.701	ug/l	97
40) Benzene	6.14	78	451362	54.462	ug/l	100
41) Methacrylonitrile	5.04	41	83951	55.909	ug/l	97
42) 1,2-Dichloroethane	6.20	62	148296	58.783	ug/l	97
43) Isopropyl Acetate	6.45	43	241258	53.284	ug/l	97
44) Trichloroethene	7.21	130	128242	51.713	ug/l	99
45) 1,2-Dichloropropane	7.51	63	113085	54.033	ug/l	97
46) Dibromomethane	7.66	93	82738	55.100	ug/l	96
47) Bromodichloromethane	7.90	83	148225	53.864	ug/l	98
48) Methyl methacrylate	7.77	41	120262	57.143	ug/l	98
49) 1,4-Dioxane	7.74	88	55111	909.008	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	786790	271.700	ug/l	98
52) Toluene	8.79	92	293850	53.841	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	156653	50.775	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	176643	52.686	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	122051	54.223	ug/l	98
56) Ethyl methacrylate	9.18	69	183556	53.832	ug/l	97
57) 1,3-Dichloropropane	9.37	76	190280	54.458	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	389914	240.775	ug/l	98
59) 2-Hexanone	9.49	43	586782	257.462	ug/l	98
60) Dibromochloromethane	9.58	129	131237	52.073	ug/l	98
61) 1,2-Dibromoethane	9.67	107	132757	54.642	ug/l	100
64) Tetrachloroethene	9.34	164	116589	47.707	ug/l	97
65) Chlorobenzene	10.13	112	325768	53.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	119844	53.636	ug/l	99
67) Ethyl Benzene	10.25	91	560849	54.157	ug/l	98
68) m/p-Xylenes	10.36	106	430795	107.359	ug/l	99
69) o-Xylene	10.69	106	210101	53.243	ug/l	99
70) Styrene	10.71	104	358484	54.170	ug/l	99
71) Bromoform	10.85	173	98669	50.779	ug/l	99
73) Isopropylbenzene	11.02	105	555390	53.796	ug/l	98
74) N-amyl acetate	10.90	43	170717	43.755	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	183758	53.745	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	149986m	54.043	ug/l	
77) Bromobenzene	11.26	156	150154	52.087	ug/l	98
78) n-propylbenzene	11.36	91	619173	54.569	ug/l	99
79) 2-Chlorotoluene	11.42	91	361644	53.524	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	455402	53.508	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52637	44.246	ug/l	93
82) 4-Chlorotoluene	11.51	91	421129	54.775	ug/l	99
83) tert-Butylbenzene	11.77	119	461793	54.059	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	464785	54.355	ug/l	100
85) sec-Butylbenzene	11.94	105	535138	53.355	ug/l	99
86) p-Isopropyltoluene	12.06	119	494854	53.340	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	261157	51.899	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	259546	50.664	ug/l	99
89) n-Butylbenzene	12.38	91	416039	52.774	ug/l	99
90) Hexachloroethane	12.60	117	81437	50.766	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	258410	51.669	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37119	50.354	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	176548	50.904	ug/l	97
94) Hexachlorobutadiene	13.78	225	81681	48.187	ug/l	99
95) Naphthalene	13.83	128	555074	52.079	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176710	51.245	ug/l	99

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

