

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092319\
 Data File : VX012596.D
 Acq On : 23 Sep 2019 10:56
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:07:28 AM

Quant Time: Sep 23 12:10:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 11:56:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	194526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	343190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139480	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	54247	19.24	ug/l	0.00
Spiked Amount			Recovery	=	38.48%	
35) Dibromofluoromethane	5.49	113	39569	18.99	ug/l	0.00
Spiked Amount			Recovery	=	37.98%	
50) Toluene-d8	8.71	98	150752	19.43	ug/l	0.00
Spiked Amount			Recovery	=	38.86%	
62) 4-Bromofluorobenzene	11.14	95	57954	18.18	ug/l	0.00
Spiked Amount			Recovery	=	36.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	42213	32.660	ug/l	97
3) Chloromethane	1.32	50	49932	39.105	ug/l	100
4) Vinyl Chloride	1.40	62	49162	36.458	ug/l	97
5) Bromomethane	1.63	94	22893	42.365	ug/l	97
6) Chloroethane	1.72	64	32518	31.348	ug/l	95
7) Trichlorofluoromethane	1.92	101	68756	30.039	ug/l	100
8) Diethyl Ether	2.18	74	27773	27.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	42061	26.120	ug/l	98
10) Methyl Iodide	2.50	142	36254	27.334	ug/l	99
11) Tert butyl alcohol	3.03	59	69623	93.751	ug/l	99
12) 1,1-Dichloroethene	2.36	96	42479	31.357	ug/l	92
13) Acrolein	2.28	56	36478	121.638	ug/l	100
14) Allyl chloride	2.72	41	85073	28.192	ug/l	99
15) Acrylonitrile	3.13	53	144911	117.509	ug/l	100
16) Acetone	2.44	43	165174	115.296	ug/l	100
17) Carbon Disulfide	2.56	76	114935	53.179	ug/l	99
18) Methyl Acetate	2.76	43	70465	23.787	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	159631	23.439	ug/l	100
20) Methylene Chloride	2.85	84	49213	27.318	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	45541	32.115	ug/l	99
22) Diisopropyl ether	3.84	45	162020	23.777	ug/l	98
23) Vinyl Acetate	3.80	43	720032	127.112	ug/l	99
24) 1,1-Dichloroethane	3.69	63	85672	25.670	ug/l	99
25) 2-Butanone	4.66	43	220925	112.833	ug/l	98
26) 2,2-Dichloropropane	4.57	77	78450	24.343	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	53368	26.629	ug/l	97
28) Bromochloromethane	5.01	49	31065	18.960	ug/l	99
29) Tetrahydrofuran	5.12	42	132368	120.888	ug/l	98
30) Chloroform	5.20	83	88350	23.561	ug/l	98
31) Cyclohexane	5.57	56	79468	34.940	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	79628	25.131	ug/l	98
36) 1,1-Dichloropropene	5.79	75	66779	29.936	ug/l	98
37) Ethyl Acetate	4.82	43	79178	24.457	ug/l	99
38) Carbon Tetrachloride	5.77	117	67065	25.045	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78408	34.508	ug/l	95
40) Benzene	6.14	78	193667	27.607	ug/l	100
41) Methacrylonitrile	5.03	41	41834	20.357	ug/l	97
42) 1,2-Dichloroethane	6.19	62	74774	23.838	ug/l	99
43) Isopropyl Acetate	6.44	43	127271	22.109	ug/l	99
44) Trichloroethene	7.21	130	49665	27.235	ug/l	99
45) 1,2-Dichloropropane	7.51	63	51049	24.505	ug/l	99
46) Dibromomethane	7.65	93	33428	24.627	ug/l	98
47) Bromodichloromethane	7.89	83	67691	22.844	ug/l	100
48) Methyl methacrylate	7.76	41	61519	22.533	ug/l	98
49) 1,4-Dioxane	7.73	88	28757	434.183	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	402680	107.623	ug/l	99
52) Toluene	8.78	92	122933	27.370	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	74884	24.068	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	81554	25.079	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	48895	22.097	ug/l	99
56) Ethyl methacrylate	9.17	69	82181	23.484	ug/l	100
57) 1,3-Dichloropropane	9.37	76	86101	24.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	187915	104.964	ug/l	99
59) 2-Hexanone	9.48	43	315863	108.084	ug/l	99
60) Dibromochloromethane	9.57	129	49483	22.091	ug/l	99
61) 1,2-Dibromoethane	9.67	107	51285	24.946	ug/l	99
64) Tetrachloroethene	9.33	164	43335	28.892	ug/l	97
65) Chlorobenzene	10.14	112	126981	24.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	46473	22.014	ug/l	99
67) Ethyl Benzene	10.25	91	234978	25.938	ug/l	100
68) m/p-Xylenes	10.36	106	172968	52.142	ug/l	99
69) o-Xylene	10.70	106	84678	25.165	ug/l	100
70) Styrene	10.71	104	141728	23.970	ug/l	99
71) Bromoform	10.85	173	31754	20.392	ug/l #	100
73) Isopropylbenzene	11.01	105	228513	25.363	ug/l	100
74) N-amyl acetate	10.89	43	107400	22.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	74094	21.558	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	74413m	23.059	ug/l	
77) Bromobenzene	11.25	156	50901	23.476	ug/l	99
78) n-propylbenzene	11.35	91	255029	25.392	ug/l	99
79) 2-Chlorotoluene	11.42	91	156583	24.063	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	191659	25.029	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24897	22.664	ug/l	93
82) 4-Chlorotoluene	11.51	91	179935	24.118	ug/l	100
83) tert-Butylbenzene	11.77	119	182282	22.626	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	193748	24.685	ug/l	99
85) sec-Butylbenzene	11.94	105	214410	23.929	ug/l	99
86) p-Isopropyltoluene	12.06	119	194717	23.698	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	92584	22.823	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	93580	22.507	ug/l	100
89) n-Butylbenzene	12.39	91	166017	22.697	ug/l	99
90) Hexachloroethane	12.59	117	32919	22.086	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	92578	22.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18351	20.677	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	54703	20.498	ug/l	99
94) Hexachlorobutadiene	13.78	225	23816	19.084	ug/l	97
95) Naphthalene	13.83	128	210073	21.968	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	55920	20.544	ug/l	99

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

