

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012884.D
 Acq On : 08 Oct 2019 11:50
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:37:03 AM

Quant Time: Oct 09 01:34:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	210940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	361749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	320912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	145958	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	45387	15.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	30.04%	
35) Dibromofluoromethane	5.49	113	34810	16.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	32.12%	
50) Toluene-d8	8.71	98	137427	16.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	32.84%	
62) 4-Bromofluorobenzene	11.14	95	52212	15.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	31.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	39655	16.605	ug/l	96
3) Chloromethane	1.32	50	41896	15.536	ug/l	93
4) Vinyl Chloride	1.40	62	43202	16.057	ug/l	98
5) Bromomethane	1.63	94	21482	20.147	ug/l	97
6) Chloroethane	1.72	64	25957	14.426	ug/l	100
7) Trichlorofluoromethane	1.92	101	58172	15.430	ug/l	97
8) Diethyl Ether	2.18	74	23555	15.311	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37037	16.040	ug/l	99
10) Methyl Iodide	2.50	142	31523	14.368	ug/l	98
11) Tert butyl alcohol	3.03	59	58007	76.875	ug/l	98
12) 1,1-Dichloroethene	2.36	96	37589	16.632	ug/l	98
13) Acrolein	2.28	56	43723	105.087	ug/l	99
14) Allyl chloride	2.72	41	68149	15.369	ug/l	99
15) Acrylonitrile	3.13	53	120488	78.488	ug/l	99
16) Acetone	2.44	43	134473	84.019	ug/l	98
17) Carbon Disulfide	2.56	76	100937	15.903	ug/l	98
18) Methyl Acetate	2.76	43	57324	15.157	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	135454	15.966	ug/l	98
20) Methylene Chloride	2.85	84	44200	16.119	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	40061	16.024	ug/l	96
22) Diisopropyl ether	3.84	45	133686	15.594	ug/l	90
23) Vinyl Acetate	3.81	43	585031	78.075	ug/l	99
24) 1,1-Dichloroethane	3.69	63	74707	15.996	ug/l	99
25) 2-Butanone	4.66	43	177478	77.499	ug/l	97
26) 2,2-Dichloropropane	4.58	77	60911	14.739	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	46146	15.913	ug/l	97
28) Bromochloromethane	5.00	49	22554	13.614	ug/l #	97
29) Tetrahydrofuran	5.12	42	108774	77.804	ug/l	99
30) Chloroform	5.20	83	74154	15.482	ug/l	99
31) Cyclohexane	5.57	56	67688	15.970	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	64900	15.370	ug/l	99
36) 1,1-Dichloropropene	5.79	75	54757	15.622	ug/l	98
37) Ethyl Acetate	4.82	43	63120	15.598	ug/l	99
38) Carbon Tetrachloride	5.78	117	54451	15.434	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67883	16.024	ug/l	96
40) Benzene	6.14	78	171338	16.658	ug/l	100
41) Methacrylonitrile	5.03	41	35018	15.484	ug/l	99
42) 1,2-Dichloroethane	6.18	62	61076	15.775	ug/l	100
43) Isopropyl Acetate	6.43	43	102353	15.157	ug/l	100
44) Trichloroethene	7.21	130	43195	16.312	ug/l	94
45) 1,2-Dichloropropane	7.51	63	43294	16.443	ug/l	98
46) Dibromomethane	7.65	93	28814	16.096	ug/l	99
47) Bromodichloromethane	7.89	83	55927	15.710	ug/l	94
48) Methyl methacrylate	7.76	41	51102	15.799	ug/l	95
49) 1,4-Dioxane	7.73	88	23511	316.294	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	321863	77.208	ug/l	99
52) Toluene	8.78	92	108428	16.781	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	61302	15.548	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	67865	15.742	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	42794	16.662	ug/l	97
56) Ethyl methacrylate	9.17	69	68922	16.017	ug/l	99
57) 1,3-Dichloropropane	9.37	76	72791	16.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	152182	79.297	ug/l	100
59) 2-Hexanone	9.48	43	251233	78.895	ug/l	99
60) Dibromochloromethane	9.57	129	41694	16.022	ug/l	100
61) 1,2-Dibromoethane	9.67	107	43897	16.421	ug/l	98
64) Tetrachloroethene	9.33	164	41395	18.245	ug/l	93
65) Chlorobenzene	10.14	112	111263	16.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	39912	16.264	ug/l	98
67) Ethyl Benzene	10.24	91	201931	16.439	ug/l	100
68) m/p-Xylenes	10.35	106	152137	33.091	ug/l	100
69) o-Xylene	10.70	106	74577	16.739	ug/l	99
70) Styrene	10.71	104	124815	16.696	ug/l	99
71) Bromoform	10.85	173	26942	15.673	ug/l #	97
73) Isopropylbenzene	11.01	105	197814	16.629	ug/l	100
74) N-amyl acetate	10.89	43	84664	15.167	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	64139	16.376	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	61163m	16.381	ug/l	
77) Bromobenzene	11.25	156	44339	16.409	ug/l	95
78) n-propylbenzene	11.35	91	213295	16.010	ug/l	100
79) 2-Chlorotoluene	11.42	91	133338	16.008	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	165425	16.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19062	14.378	ug/l	98
82) 4-Chlorotoluene	11.51	91	156221	16.441	ug/l	98
83) tert-Butylbenzene	11.76	119	158694	16.435	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	167295	16.602	ug/l	99
85) sec-Butylbenzene	11.94	105	184690	16.456	ug/l	100
86) p-Isopropyltoluene	12.06	119	169030	16.705	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	82954	16.996	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	81687	16.627	ug/l	99
89) n-Butylbenzene	12.38	91	139539	15.717	ug/l	100
90) Hexachloroethane	12.59	117	27991	15.608	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	80978	16.645	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14638	15.064	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48317	16.171	ug/l	99
94) Hexachlorobutadiene	13.77	225	21759	16.778	ug/l	98
95) Naphthalene	13.83	128	175959	16.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	51015	17.081	ug/l	99

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

