

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012430.D
 Acq On : 17 Sep 2019 12:46
 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
 9/18/2019 11:22:09 AM

Quant Time: Sep 17 13:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119005	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	48241	15.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.30%	
35) Dibromofluoromethane	5.48	113	34070	13.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.64%	
50) Toluene-d8	8.71	98	125662	14.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.76%	
62) 4-Bromofluorobenzene	11.14	95	51146	13.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	20769	15.357	ug/l	98
3) Chloromethane	1.32	50	16858	14.379	ug/l	99
4) Vinyl Chloride	1.40	62	18689	14.458	ug/l	96
5) Bromomethane	1.63	94	8716	16.128	ug/l	93
6) Chloroethane	1.72	64	13796	16.060	ug/l	92
7) Trichlorofluoromethane	1.92	101	35872	15.190	ug/l	99
8) Diethyl Ether	2.18	74	15019	14.407	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24456	14.368	ug/l	99
10) Methyl Iodide	2.50	142	16756	10.715	ug/l	99
11) Tert butyl alcohol	3.03	59	56444	71.265	ug/l	99
12) 1,1-Dichloroethene	2.36	96	19822	14.817	ug/l	94
13) Acrolein	2.28	56	21373	64.862	ug/l	98
14) Allyl chloride	2.72	41	45620	14.681	ug/l	98
15) Acrylonitrile	3.13	53	94045	71.119	ug/l	99
16) Acetone	2.43	43	106129	73.583	ug/l	97
17) Carbon Disulfide	2.56	76	25333	14.338	ug/l #	94
18) Methyl Acetate	2.76	43	45573	14.374	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	104633	14.401	ug/l	98
20) Methylene Chloride	2.84	84	26516	13.684	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	20373	14.164	ug/l	96
22) Diisopropyl ether	3.84	45	104328	14.630	ug/l	96
23) Vinyl Acetate	3.80	43	442184	75.167	ug/l	98
24) 1,1-Dichloroethane	3.69	63	51334	14.369	ug/l	99
25) 2-Butanone	4.66	43	148659	73.019	ug/l	96
26) 2,2-Dichloropropane	4.57	77	49144	14.416	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	29823	14.105	ug/l	99
28) Bromochloromethane	5.01	49	27405	15.032	ug/l	99
29) Tetrahydrofuran	5.12	42	86117	73.134	ug/l	99
30) Chloroform	5.20	83	57059	13.859	ug/l	93
31) Cyclohexane	5.57	56	31769	14.831	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	49330	14.466	ug/l	99
36) 1,1-Dichloropropene	5.79	75	31717	13.075	ug/l	97
37) Ethyl Acetate	4.83	43	52063	13.943	ug/l	99
38) Carbon Tetrachloride	5.77	117	38554	13.127	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	31860	13.739	ug/l	95
40) Benzene	6.13	78	102025	13.733	ug/l	99
41) Methacrylonitrile	5.03	41	30872	14.512	ug/l	97
42) 1,2-Dichloroethane	6.18	62	46165	13.606	ug/l	99
43) Isopropyl Acetate	6.43	43	86516	13.470	ug/l	99
44) Trichloroethene	7.21	130	26520	13.296	ug/l	93
45) 1,2-Dichloropropane	7.51	63	30190	13.209	ug/l	98
46) Dibromomethane	7.65	93	20029	13.197	ug/l	95
47) Bromodichloromethane	7.89	83	43225	12.790	ug/l	99
48) Methyl methacrylate	7.76	41	41223	14.456	ug/l	99
49) 1,4-Dioxane	7.73	88	19235	264.380	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	289211	69.606	ug/l	99
52) Toluene	8.78	92	66449	13.760	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	45672	13.024	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	48294	13.305	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	32790	12.830	ug/l	97
56) Ethyl methacrylate	9.17	69	51249	13.344	ug/l	98
57) 1,3-Dichloropropane	9.37	76	52762	13.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	140835	68.795	ug/l	100
59) 2-Hexanone	9.49	43	220720	68.717	ug/l	99
60) Dibromochloromethane	9.58	129	33912	12.994	ug/l	99
61) 1,2-Dibromoethane	9.67	107	31581	13.477	ug/l	97
64) Tetrachloroethene	9.33	164	23018	14.786	ug/l	92
65) Chlorobenzene	10.14	112	76591	13.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	31864	13.726	ug/l	100
67) Ethyl Benzene	10.25	91	133296	14.221	ug/l	99
68) m/p-Xylenes	10.35	106	97908	28.352	ug/l	99
69) o-Xylene	10.70	106	49658	13.859	ug/l	100
70) Styrene	10.71	104	87067	14.021	ug/l	100
71) Bromoform	10.85	173	22356	12.553	ug/l	98
73) Isopropylbenzene	11.01	105	142719	17.644	ug/l	100
74) N-amyl acetate	10.89	43	74805	17.359	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	54165	16.714	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	51877m	17.240	ug/l	
77) Bromobenzene	11.25	156	33868	16.376	ug/l	97
78) n-propylbenzene	11.35	91	159768	17.491	ug/l	100
79) 2-Chlorotoluene	11.42	91	101229	17.293	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	121812	17.344	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	15641	14.684	ug/l	93
82) 4-Chlorotoluene	11.51	91	116991	17.164	ug/l	98
83) tert-Butylbenzene	11.76	119	127475	17.111	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	124421	17.462	ug/l	100
85) sec-Butylbenzene	11.94	105	143544	17.402	ug/l	99
86) p-Isopropyltoluene	12.06	119	131233	17.393	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	62726	16.148	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	63811	16.270	ug/l	98
89) n-Butylbenzene	12.38	91	115022	17.261	ug/l	99
90) Hexachloroethane	12.59	117	22938	15.753	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	66317	16.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13872	16.174	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	41886	15.770	ug/l	98
94) Hexachlorobutadiene	13.77	225	20006	15.755	ug/l	98
95) Naphthalene	13.83	128	155248	17.114	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44670	16.898	ug/l	99

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

