

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042820\
 Data File : VX015963.D
 Acq On : 28 Apr 2020 15:46
 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
 4/30/2020 2:59:48 PM

Quant Time: Apr 28 17:30:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	263864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	419132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	386042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	64432	18.68	ug/l	0.00
Spiked Amount			Recovery	=	37.36%	
35) Dibromofluoromethane	5.47	113	48196	18.43	ug/l	0.00
Spiked Amount			Recovery	=	36.86%	
50) Toluene-d8	8.70	98	185776	19.00	ug/l	0.00
Spiked Amount			Recovery	=	38.00%	
62) 4-Bromofluorobenzene	11.12	95	69675	18.17	ug/l	0.00
Spiked Amount			Recovery	=	36.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	45434	19.242	ug/l	100
3) Chloromethane	1.31	50	51005	17.824	ug/l	100
4) Vinyl Chloride	1.39	62	61089	18.798	ug/l	100
5) Bromomethane	1.63	94	43951	20.145	ug/l	98
6) Chloroethane	1.71	64	38850	17.972	ug/l	99
7) Trichlorofluoromethane	1.92	101	90063	18.335	ug/l	100
8) Diethyl Ether	2.17	74	36182	17.644	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	44450	18.154	ug/l	98
10) Methyl Iodide	2.49	142	59793	17.506	ug/l	99
11) Tert butyl alcohol	3.01	59	74670	89.164	ug/l	97
12) 1,1-Dichloroethene	2.36	96	44877	17.776	ug/l	96
13) Acrolein	2.27	56	17254	81.983	ug/l	97
14) Allyl chloride	2.71	41	83439	18.329	ug/l	99
15) Acrylonitrile	3.11	53	148950	89.703	ug/l	99
16) Acetone	2.42	43	132894	90.082	ug/l	98
17) Carbon Disulfide	2.55	76	135248	16.726	ug/l	100
18) Methyl Acetate	2.75	43	75816	18.110	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	168230	18.424	ug/l	98
20) Methylene Chloride	2.84	84	51947	17.788	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	50267	17.667	ug/l	98
22) Diisopropyl ether	3.82	45	163474	18.266	ug/l	100
23) Vinyl Acetate	3.79	43	717308	92.265	ug/l	100
24) 1,1-Dichloroethane	3.67	63	90887	18.230	ug/l	100
25) 2-Butanone	4.64	43	217684	91.058	ug/l	99
26) 2,2-Dichloropropane	4.55	77	84128	18.455	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	57355	17.764	ug/l	99
28) Bromochloromethane	4.98	49	44162	18.305	ug/l	99
29) Tetrahydrofuran	5.09	42	141177	90.111	ug/l	99
30) Chloroform	5.18	83	93678	18.070	ug/l	96
31) Cyclohexane	5.56	56	82345	18.553	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	86439	18.109	ug/l	100
36) 1,1-Dichloropropene	5.77	75	69420	17.390	ug/l	100
37) Ethyl Acetate	4.79	43	83779	18.302	ug/l	98
38) Carbon Tetrachloride	5.76	117	75895	18.000	ug/l	98

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39) Methylcyclohexane	7.44	83	83024	17.980	ug/l	95
40) Benzene	6.12	78	206939	18.168	ug/l	98
41) Methacrylonitrile	5.00	41	43337	17.687	ug/l	99
42) 1,2-Dichloroethane	6.17	62	79230	17.952	ug/l	100
43) Isopropyl Acetate	6.42	43	135601	17.889	ug/l	99
44) Trichloroethene	7.19	130	75508	18.392	ug/l	99
45) 1,2-Dichloropropane	7.49	63	52938	17.983	ug/l	99
46) Dibromomethane	7.64	93	37667	18.008	ug/l	99
47) Bromodichloromethane	7.88	83	75037	18.052	ug/l	99
48) Methyl methacrylate	7.74	41	63137	18.040	ug/l	99
49) 1,4-Dioxane	7.71	88	29809	362.061	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	423212	92.046	ug/l	100
52) Toluene	8.77	92	130677	18.074	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	86978	17.635	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	90722	17.885	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	51895	17.961	ug/l	97
56) Ethyl methacrylate	9.16	69	84150	17.911	ug/l	100
57) 1,3-Dichloropropane	9.35	76	90673	18.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	226213	93.174	ug/l	100
59) 2-Hexanone	9.47	43	326150	90.768	ug/l	100
60) Dibromochloromethane	9.57	129	56589	17.498	ug/l	98
61) 1,2-Dibromoethane	9.65	107	56535	18.044	ug/l	99
64) Tetrachloroethene	9.32	164	84387	18.427	ug/l	95
65) Chlorobenzene	10.12	112	139698	17.767	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	53428	17.979	ug/l	99
67) Ethyl Benzene	10.24	91	255271	18.231	ug/l	99
68) m/p-Xylenes	10.34	106	191755	36.090	ug/l	100
69) o-Xylene	10.68	106	90558	17.952	ug/l	98
70) Styrene	10.70	104	151562	17.510	ug/l	99
71) Bromoform	10.84	173	41810	17.367	ug/l #	98
73) Isopropylbenzene	11.01	105	247301	18.710	ug/l	99
74) N-amyl acetate	10.88	43	119394	18.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	43762	17.080	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	76721m	15.078	ug/l	
77) Bromobenzene	11.24	156	62320	18.317	ug/l	99
78) n-propylbenzene	11.34	91	280232	18.430	ug/l	99
79) 2-Chlorotoluene	11.40	91	164360	18.143	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	204129	18.334	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	31107	18.031	ug/l	100
82) 4-Chlorotoluene	11.49	91	196932	18.175	ug/l	100
83) tert-Butylbenzene	11.76	119	176989	18.436	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	207754	18.540	ug/l	100
85) sec-Butylbenzene	11.93	105	235112	18.177	ug/l	99
86) p-Isopropyltoluene	12.05	119	220952	18.237	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	110411	17.795	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	113495	18.100	ug/l	98
89) n-Butylbenzene	12.37	91	196703	17.969	ug/l	100
90) Hexachloroethane	12.58	117	37892	17.701	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	109845	18.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	19408	17.785	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	78900	17.718	ug/l	98
94) Hexachlorobutadiene	13.77	225	36054	18.121	ug/l	93
95) Naphthalene	13.82	128	261010	18.584	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	78320	18.265	ug/l	98

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

