

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017348.D
 Acq On : 13 Jul 2020 10:38
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:45 AM

Quant Time: Jul 13 12:23:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 13 11:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	300204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	452991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226074	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	21536	5.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.52%	
35) Dibromofluoromethane	5.47	113	17497	6.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.02%	
50) Toluene-d8	8.70	98	58169	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	
62) 4-Bromofluorobenzene	11.12	95	21994	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.18	85	11330	3.932	ug/l	98
3) Chloromethane	1.32	50	13553	3.961	ug/l	99
4) Vinyl Chloride	1.39	62	13467	4.182	ug/l	99
5) Bromomethane	1.62	94	9874	5.594	ug/l	98
6) Chloroethane	1.71	64	8778	4.576	ug/l	96
7) Trichlorofluoromethane	1.92	101	23781	4.877	ug/l	92
8) Diethyl Ether	2.17	74	8399	4.771	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	13382	4.658	ug/l	96
10) Methyl Iodide	2.49	142	11839	3.230	ug/l	99
11) Tert butyl alcohol	3.02	59	15375	22.141	ug/l	96
12) 1,1-Dichloroethene	2.35	96	13680	4.664	ug/l	91
13) Acrolein	2.27	56	7178	17.418	ug/l	91
14) Allyl chloride	2.71	41	23718	4.399	ug/l	97
15) Acrylonitrile	3.12	53	38365	22.887	ug/l	98
16) Acetone	2.42	43	32729	23.805	ug/l	99
17) Carbon Disulfide	2.55	76	39158	4.351	ug/l	98
18) Methyl Acetate	2.75	43	17034	4.787	ug/l	95
19) Methyl tert-butyl Ether	3.17	73	45075	4.557	ug/l	100
20) Methylene Chloride	2.83	84	16669	4.775	ug/l	92
21) trans-1,2-Dichloroethene	3.14	96	15662	4.782	ug/l	88
22) Diisopropyl ether	3.82	45	45219	4.535	ug/l	94
23) Vinyl Acetate	3.79	43	193688	22.517	ug/l	97
24) 1,1-Dichloroethane	3.67	63	27468	4.820	ug/l	95
25) 2-Butanone	4.64	43	52696	23.166	ug/l	94
26) 2,2-Dichloropropane	4.55	77	25715	5.026	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	16747	4.539	ug/l	95
28) Bromochloromethane	4.98	49	12206	4.417	ug/l #	7
29) Tetrahydrofuran	5.10	42	33501	22.387	ug/l	99
30) Chloroform	5.18	83	29137	4.946	ug/l	94
31) Cyclohexane	5.55	56	20322	4.168	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	26390	4.842	ug/l	95
36) 1,1-Dichloropropene	5.77	75	21157	4.940	ug/l	98
37) Ethyl Acetate	4.80	43	20133	4.659	ug/l #	93
38) Carbon Tetrachloride	5.76	117	24327	5.105	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	21464	4.526	ug/l	99
40) Benzene	6.12	78	60664	4.836	ug/l	99
41) Methacrylonitrile	5.01	41	11213	4.610	ug/l	96
42) 1,2-Dichloroethane	6.17	62	23495	5.129	ug/l	99
43) Isopropyl Acetate	6.42	43	32186	4.476	ug/l	98
44) Trichloroethene	7.19	130	18784	4.935	ug/l	99
45) 1,2-Dichloropropane	7.49	63	14890	4.624	ug/l	98
46) Dibromomethane	7.63	93	11474	5.185	ug/l	98
47) Bromodichloromethane	7.88	83	23588	5.160	ug/l #	99
48) Methyl methacrylate	7.74	41	15130	4.433	ug/l	95
49) 1,4-Dioxane	7.71	88	6809	88.878	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	101787	23.691	ug/l	99
52) Toluene	8.77	92	38258	4.861	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	23707	4.704	ug/l	92
54) cis-1,3-Dichloropropene	8.41	75	26023	4.827	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	16080	4.978	ug/l	95
56) Ethyl methacrylate	9.16	69	20408	4.455	ug/l	98
57) 1,3-Dichloropropane	9.35	76	26464	4.859	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.29	63	53256	23.269	ug/l	98
59) 2-Hexanone	9.48	43	75424	23.904	ug/l	96
60) Dibromochloromethane	9.57	129	19625	5.190	ug/l	97
61) 1,2-Dibromoethane	9.65	107	17441	5.016	ug/l	98
64) Tetrachloroethene	9.32	164	19855	5.573	ug/l	91
65) Chlorobenzene	10.12	112	43625	4.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	17739	5.086	ug/l	98
67) Ethyl Benzene	10.23	91	70956	4.735	ug/l	99
68) m/p-Xylenes	10.34	106	54155	9.413	ug/l	99
69) o-Xylene	10.68	106	25352	4.618	ug/l	97
70) Styrene	10.69	104	42934	4.599	ug/l	99
71) Bromoform	10.84	173	14044	5.041	ug/l #	99
73) Isopropylbenzene	11.00	105	69698	4.727	ug/l	100
74) N-amyl acetate	10.88	43	26169	4.210	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	21782	4.724	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	22065m	5.013	ug/l	
77) Bromobenzene	11.24	156	19631	4.805	ug/l	91
78) n-propylbenzene	11.34	91	76809	4.604	ug/l	98
79) 2-Chlorotoluene	11.40	91	49731	4.925	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	57656	4.709	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	7835	4.624	ug/l	93
82) 4-Chlorotoluene	11.49	91	57249	4.736	ug/l	98
83) tert-Butylbenzene	11.76	119	54302	4.513	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	58126	4.669	ug/l	99
85) sec-Butylbenzene	11.93	105	65151	4.610	ug/l	100
86) p-Isopropyltoluene	12.05	119	60594	4.612	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	35771	4.815	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	38251	5.047	ug/l	95
89) n-Butylbenzene	12.37	91	50648	4.333	ug/l	99
90) Hexachloroethane	12.58	117	11944	4.622	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	34536	5.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5377	4.829	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	21897	4.626	ug/l	97
94) Hexachlorobutadiene	13.76	225	9754	5.039	ug/l	97
95) Naphthalene	13.82	128	60980	4.284	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	21559	4.717	ug/l	100

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

