

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072320\
 Data File : VX017483.D
 Acq On : 23 Jul 2020 10:30
 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
 7/24/2020 1:00:52 PM

Quant Time: Jul 23 12:01:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 23 11:43:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	669443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	894885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	887223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	480718	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	148517	17.36	ug/l	0.00
Spiked Amount			Recovery	=	34.72%	
35) Dibromofluoromethane	5.47	113	114150	18.80	ug/l	0.00
Spiked Amount			Recovery	=	37.60%	
50) Toluene-d8	8.70	98	408761	18.76	ug/l	0.00
Spiked Amount			Recovery	=	37.52%	
62) 4-Bromofluorobenzene	11.12	95	160836	18.79	ug/l	0.00
Spiked Amount			Recovery	=	37.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	123331	21.710	ug/l	99
3) Chloromethane	1.32	50	149440	22.347	ug/l	98
4) Vinyl Chloride	1.39	62	151678	23.178	ug/l	97
5) Bromomethane	1.63	94	93045	22.051	ug/l	97
6) Chloroethane	1.72	64	87653	21.323	ug/l	96
7) Trichlorofluoromethane	1.92	101	237071	21.831	ug/l	96
8) Diethyl Ether	2.17	74	79102	20.213	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	130968	21.077	ug/l	99
10) Methyl Iodide	2.49	142	172142	22.395	ug/l	99
11) Tert butyl alcohol	3.01	59	166708	110.077	ug/l	100
12) 1,1-Dichloroethene	2.36	96	125923	20.235	ug/l	90
13) Acrolein	2.27	56	125397	138.907	ug/l	99
14) Allyl chloride	2.71	41	232883	21.287	ug/l	99
15) Acrylonitrile	3.12	53	357027	100.580	ug/l	99
16) Acetone	2.42	43	326632	103.614	ug/l	99
17) Carbon Disulfide	2.55	76	373665	20.566	ug/l	98
18) Methyl Acetate	2.75	43	156683	20.145	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	424107	20.009	ug/l	100
20) Methylene Chloride	2.84	84	136037	18.223	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	133458	18.990	ug/l	97
22) Diisopropyl ether	3.82	45	425745	20.904	ug/l	94
23) Vinyl Acetate	3.79	43	1922449	106.650	ug/l	100
24) 1,1-Dichloroethane	3.67	63	238869	20.020	ug/l	99
25) 2-Butanone	4.64	43	506582	103.874	ug/l	97
26) 2,2-Dichloropropane	4.55	77	231707	20.991	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	143493	18.762	ug/l	98
28) Bromochloromethane	4.98	49	129559	23.534	ug/l	100
29) Tetrahydrofuran	5.09	42	318792	101.354	ug/l	98
30) Chloroform	5.18	83	243989	19.137	ug/l	99
31) Cyclohexane	5.55	56	199218	20.547	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	228383	19.369	ug/l	99
36) 1,1-Dichloropropene	5.78	75	179953	21.939	ug/l	99
37) Ethyl Acetate	4.80	43	198846	22.703	ug/l	99
38) Carbon Tetrachloride	5.75	117	214441	22.253	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	195920	21.961	ug/l	97
40) Benzene	6.12	78	507822	21.467	ug/l	98
41) Methacrylonitrile	5.01	41	110792	23.680	ug/l	99
42) 1,2-Dichloroethane	6.17	62	204625	22.008	ug/l	98
43) Isopropyl Acetate	6.42	43	292462	20.632	ug/l	99
44) Trichloroethene	7.19	130	143219	20.012	ug/l	90
45) 1,2-Dichloropropane	7.49	63	132365	21.862	ug/l	96
46) Dibromomethane	7.64	93	93648	21.483	ug/l	98
47) Bromodichloromethane	7.88	83	190578	20.918	ug/l	100
48) Methyl methacrylate	7.74	41	150191	22.695	ug/l	99
49) 1,4-Dioxane	7.71	88	62532	469.006	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	913109	107.768	ug/l	100
52) Toluene	8.77	92	315300	20.916	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	212577	21.323	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	229233	21.876	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	128420	20.207	ug/l	97
56) Ethyl methacrylate	9.16	69	198082	21.686	ug/l	98
57) 1,3-Dichloropropane	9.35	76	212800	20.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	522160	112.772	ug/l	100
59) 2-Hexanone	9.48	43	729102	113.467	ug/l	100
60) Dibromochloromethane	9.57	129	164222	21.035	ug/l	98
61) 1,2-Dibromoethane	9.65	107	139185	20.089	ug/l	99
64) Tetrachloroethene	9.32	164	151873	19.790	ug/l	97
65) Chlorobenzene	10.12	112	356208	19.592	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	143284	19.807	ug/l	99
67) Ethyl Benzene	10.24	91	613386	20.356	ug/l	99
68) m/p-Xylenes	10.34	106	468583	40.706	ug/l	99
69) o-Xylene	10.68	106	223781	20.347	ug/l	99
70) Styrene	10.70	104	390582	20.648	ug/l	98
71) Bromoform	10.84	173	124746	20.274	ug/l #	99
73) Isopropylbenzene	11.00	105	613929	20.255	ug/l	99
74) N-amyl acetate	10.88	43	273163	21.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	183335	19.829	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	187802m	20.828	ug/l	
77) Bromobenzene	11.24	156	167650	19.407	ug/l	97
78) n-propylbenzene	11.34	91	712222	20.978	ug/l	99
79) 2-Chlorotoluene	11.40	91	430122	20.498	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	538066	20.778	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	71521	20.034	ug/l	96
82) 4-Chlorotoluene	11.49	91	521893	20.954	ug/l	100
83) tert-Butylbenzene	11.76	119	498443	20.003	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	541776	20.797	ug/l	100
85) sec-Butylbenzene	11.93	105	594747	20.430	ug/l	99
86) p-Isopropyltoluene	12.05	119	577336	20.914	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	289420	18.762	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	294428	18.871	ug/l	98
89) n-Butylbenzene	12.37	91	489943	20.681	ug/l	100
90) Hexachloroethane	12.58	117	102004	19.366	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	280230	19.291	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	48057	19.323	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	195723	19.254	ug/l	99
94) Hexachlorobutadiene	13.77	225	91848	21.697	ug/l	99
95) Naphthalene	13.82	128	601730	20.005	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	199202	20.168	ug/l	99

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

