

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017012.D
 Acq On : 29 Jun 2020 16:53
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX062920

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:12:17 AM

Quant Time: Jun 30 05:43:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	320884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	488290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	458996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238880	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	182972	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
35) Dibromofluoromethane	5.46	113	152483	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.70	98	567900	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.12	95	226498	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	158066	50.917	ug/l	98
3) Chloromethane	1.32	50	177809	47.319	ug/l	99
4) Vinyl Chloride	1.39	62	166287	47.696	ug/l	99
5) Bromomethane	1.62	94	92170	50.039	ug/l	99
6) Chloroethane	1.71	64	93701	45.506	ug/l	97
7) Trichlorofluoromethane	1.92	101	241970	46.928	ug/l	99
8) Diethyl Ether	2.17	74	86691	49.969	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	152138	49.229	ug/l	99
10) Methyl Iodide	2.49	142	191507	48.025	ug/l	98
11) Tert butyl alcohol	3.01	59	185205	245.415	ug/l	99
12) 1,1-Dichloroethene	2.36	96	148930	46.912	ug/l	98
13) Acrolein	2.28	56	101735	225.516	ug/l	100
14) Allyl chloride	2.71	41	283929	48.394	ug/l	98
15) Acrylonitrile	3.12	53	437875	241.364	ug/l	99
16) Acetone	2.42	43	350578	236.901	ug/l	99
17) Carbon Disulfide	2.55	76	450195	50.817	ug/l	100
18) Methyl Acetate	2.75	43	186751	48.342	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	516449	48.471	ug/l	99
20) Methylene Chloride	2.84	84	170852	50.345	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	169231	48.035	ug/l	99
22) Diisopropyl ether	3.82	45	526684	48.502	ug/l	98
23) Vinyl Acetate	3.78	43	2362896	253.224	ug/l	100
24) 1,1-Dichloroethane	3.67	63	294257	47.624	ug/l	99
25) 2-Butanone	4.64	43	598737	242.815	ug/l	98
26) 2,2-Dichloropropane	4.55	77	265521	48.399	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	186990	46.842	ug/l	98
28) Bromochloromethane	4.98	49	134462	44.721	ug/l	97
29) Tetrahydrofuran	5.09	42	399749	245.363	ug/l	99
30) Chloroform	5.18	83	298207	47.082	ug/l	96
31) Cyclohexane	5.55	56	265147	49.646	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	271873	46.608	ug/l	99
36) 1,1-Dichloropropene	5.77	75	227253	49.243	ug/l	99
37) Ethyl Acetate	4.79	43	237043	50.625	ug/l	99
38) Carbon Tetrachloride	5.75	117	250001	49.184	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	274241	53.409	ug/l	98
40) Benzene	6.11	78	667541	49.231	ug/l	99
41) Methacrylonitrile	5.00	41	131405	49.863	ug/l	99
42) 1,2-Dichloroethane	6.16	62	237814	48.556	ug/l	100
43) Isopropyl Acetate	6.42	43	389692	50.084	ug/l	100
44) Trichloroethene	7.19	130	192249	51.389	ug/l	99
45) 1,2-Dichloropropane	7.49	63	171644	49.286	ug/l	100
46) Dibromomethane	7.64	93	117020	49.216	ug/l	98
47) Bromodichloromethane	7.87	83	239632	48.905	ug/l	95
48) Methyl methacrylate	7.74	41	191211	51.727	ug/l	99
49) 1,4-Dioxane	7.71	88	84460	1008.538	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1198673	258.442	ug/l	99
52) Toluene	8.76	92	420780	49.704	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	273754	50.636	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	293388	50.624	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	170005	49.151	ug/l	98
56) Ethyl methacrylate	9.16	69	260770	52.969	ug/l	100
57) 1,3-Dichloropropane	9.35	76	285760	48.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	644815	263.171	ug/l	99
59) 2-Hexanone	9.47	43	895300	264.307	ug/l	100
60) Dibromochloromethane	9.57	129	198572	49.429	ug/l	99
61) 1,2-Dibromoethane	9.65	107	182537	49.097	ug/l	100
64) Tetrachloroethene	9.32	164	177797	47.996	ug/l	95
65) Chlorobenzene	10.12	112	459786	48.535	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	177333	48.572	ug/l	99
67) Ethyl Benzene	10.24	91	819255	51.784	ug/l	98
68) m/p-Xylenes	10.34	106	629662	103.654	ug/l	98
69) o-Xylene	10.68	106	296631	51.331	ug/l	99
70) Styrene	10.70	104	522891	53.136	ug/l	100
71) Bromoform	10.84	173	148338	51.237	ug/l	100
73) Isopropylbenzene	11.00	105	814178	52.034	ug/l	99
74) N-amyl acetate	10.88	43	357006	53.473	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	243500	49.473	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	237707m	50.604	ug/l	
77) Bromobenzene	11.24	156	209108	48.626	ug/l	99
78) n-propylbenzene	11.34	91	933635	52.766	ug/l	100
79) 2-Chlorotoluene	11.40	91	551761	51.525	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	682180	52.562	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	94341	52.009	ug/l	97
82) 4-Chlorotoluene	11.49	91	657492	51.360	ug/l	100
83) tert-Butylbenzene	11.76	119	667462	52.389	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	703368	53.419	ug/l	99
85) sec-Butylbenzene	11.93	105	796551	53.188	ug/l	99
86) p-Isopropyltoluene	12.05	119	752785	53.995	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	377493	48.333	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	385171	52.303	ug/l	99
89) n-Butylbenzene	12.37	91	659700	52.994	ug/l	99
90) Hexachloroethane	12.58	117	139407	50.706	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	352565	48.293	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55854	47.571	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	238945	47.952	ug/l	97
94) Hexachlorobutadiene	13.77	225	98994	52.307	ug/l	96
95) Naphthalene	13.82	128	800112	52.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	246597	51.136	ug/l	99

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

