

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016967.D
 Acq On : 25 Jun 2020 21:08
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX062620

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:32 PM

Quant Time: Jun 26 08:37:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	217378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	369315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	340927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	172637	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	148198	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
35) Dibromofluoromethane	5.47	113	113432	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	8.70	98	422479	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
62) 4-Bromofluorobenzene	11.12	95	162458	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	116957	56.454	ug/l	99
3) Chloromethane	1.31	50	133643	50.181	ug/l	99
4) Vinyl Chloride	1.39	62	134713	49.387	ug/l	98
5) Bromomethane	1.62	94	95972	52.985	ug/l	99
6) Chloroethane	1.71	64	85877	46.389	ug/l	98
7) Trichlorofluoromethane	1.92	101	219820	49.403	ug/l	97
8) Diethyl Ether	2.17	74	78256	45.657	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	116728	49.011	ug/l	100
10) Methyl Iodide	2.49	142	139844	46.999	ug/l	99
11) Tert butyl alcohol	3.01	59	148639	239.843	ug/l	100
12) 1,1-Dichloroethene	2.36	96	114827	47.656	ug/l	95
13) Acrolein	2.27	56	126793	276.034	ug/l	98
14) Allyl chloride	2.71	41	214273	47.761	ug/l	99
15) Acrylonitrile	3.12	53	344915	239.707	ug/l	99
16) Acetone	2.42	43	296292	230.904	ug/l	100
17) Carbon Disulfide	2.55	76	359335	47.032	ug/l	98
18) Methyl Acetate	2.75	43	147382	47.211	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	408416	48.496	ug/l	99
20) Methylene Chloride	2.84	84	128409	44.022	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	128118	47.062	ug/l	99
22) Diisopropyl ether	3.82	45	427940	48.655	ug/l	97
23) Vinyl Acetate	3.79	43	1878062	243.985	ug/l	100
24) 1,1-Dichloroethane	3.67	63	232103	47.045	ug/l	99
25) 2-Butanone	4.64	43	474413	242.582	ug/l	99
26) 2,2-Dichloropropane	4.55	77	181760	45.543	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	140925	46.846	ug/l	96
28) Bromochloromethane	4.98	49	97385	42.241	ug/l	100
29) Tetrahydrofuran	5.09	42	312820	243.318	ug/l	98
30) Chloroform	5.18	83	232723	46.967	ug/l	95
31) Cyclohexane	5.55	56	203230	49.311	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	212937	47.968	ug/l	99
36) 1,1-Dichloropropene	5.77	75	175330	47.946	ug/l	99
37) Ethyl Acetate	4.79	43	189670	48.262	ug/l	99
38) Carbon Tetrachloride	5.75	117	185961	48.050	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	199543	50.425	ug/l	97
40) Benzene	6.12	78	505717	48.022	ug/l	99
41) Methacrylonitrile	5.01	41	104860	47.882	ug/l	96
42) 1,2-Dichloroethane	6.16	62	193149	46.681	ug/l	99
43) Isopropyl Acetate	6.41	43	318161	48.123	ug/l	99
44) Trichloroethene	7.19	130	136400	48.656	ug/l	92
45) 1,2-Dichloropropane	7.49	63	132323	47.000	ug/l	94
46) Dibromomethane	7.64	93	91510	47.846	ug/l	98
47) Bromodichloromethane	7.88	83	187225	46.802	ug/l	96
48) Methyl methacrylate	7.74	41	151704	49.138	ug/l	98
49) 1,4-Dioxane	7.71	88	60040	934.935	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	943920	249.462	ug/l	100
52) Toluene	8.76	92	316950	48.830	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	209494	48.903	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	218788	48.584	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	126903	47.582	ug/l	99
56) Ethyl methacrylate	9.16	69	201581	50.431	ug/l	98
57) 1,3-Dichloropropane	9.35	76	216854	47.496	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	525366	254.397	ug/l	99
59) 2-Hexanone	9.48	43	712325	250.246	ug/l	100
60) Dibromochloromethane	9.57	129	146041	48.035	ug/l	97
61) 1,2-Dibromoethane	9.65	107	135565	47.606	ug/l	100
64) Tetrachloroethene	9.32	164	115891	50.217	ug/l	94
65) Chlorobenzene	10.12	112	339310	48.668	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	128763	49.695	ug/l	99
67) Ethyl Benzene	10.23	91	611857	49.993	ug/l	99
68) m/p-Xylenes	10.34	106	459609	101.084	ug/l	98
69) o-Xylene	10.68	106	219106	50.511	ug/l	98
70) Styrene	10.70	104	379647	51.378	ug/l	99
71) Bromoform	10.84	173	106307	51.600	ug/l #	96
73) Isopropylbenzene	11.00	105	595429	50.093	ug/l	100
74) N-amyl acetate	10.88	43	275653	49.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	193412	48.352	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	182882m	50.478	ug/l	
77) Bromobenzene	11.24	156	149565	48.532	ug/l	96
78) n-propylbenzene	11.34	91	691785	49.309	ug/l	99
79) 2-Chlorotoluene	11.40	91	404826	47.985	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	502640	50.876	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	68790	48.206	ug/l	96
82) 4-Chlorotoluene	11.49	91	487440	49.091	ug/l	99
83) tert-Butylbenzene	11.76	119	490377	50.963	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	508843	50.918	ug/l	98
85) sec-Butylbenzene	11.93	105	573463	51.116	ug/l	100
86) p-Isopropyltoluene	12.05	119	529592	51.665	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	268457	48.534	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	273666	48.464	ug/l	100
89) n-Butylbenzene	12.37	91	484301	50.194	ug/l	99
90) Hexachloroethane	12.58	117	102462	48.218	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	254923	48.612	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	43469	47.491	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	168456	49.297	ug/l	98
94) Hexachlorobutadiene	13.76	225	63037	51.347	ug/l	97
95) Naphthalene	13.82	128	581188	51.756	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	166126	50.691	ug/l	99

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

