

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031820\
 Data File : VX015327.D
 Acq On : 18 Mar 2020 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031820

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 12:01:01 PM

Quant Time: Mar 19 03:29:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 14:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	619140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1105933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1020711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	482667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	348336	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
35) Dibromofluoromethane	5.48	113	325066	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
50) Toluene-d8	8.71	98	1279855	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.13	95	462820	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	316217	46.438	ug/l	99
3) Chloromethane	1.31	50	370432	49.716	ug/l	98
4) Vinyl Chloride	1.40	62	357386	47.317	ug/l	99
5) Bromomethane	1.63	94	128502	55.881	ug/l	99
6) Chloroethane	1.72	64	216465	46.378	ug/l	98
7) Trichlorofluoromethane	1.92	101	473843	46.829	ug/l	99
8) Diethyl Ether	2.18	74	196511	46.871	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	330421	47.353	ug/l	98
10) Methyl Iodide	2.50	142	351865	42.436	ug/l	97
11) Tert butyl alcohol	3.03	59	351280	236.550	ug/l	100
12) 1,1-Dichloroethene	2.36	96	333583	42.653	ug/l	99
13) Acrolein	2.28	56	322608	229.996	ug/l	100
14) Allyl chloride	2.72	41	555615	47.779	ug/l	96
15) Acrylonitrile	3.12	53	912162	233.377	ug/l	100
16) Acetone	2.43	43	699632	243.504	ug/l	97
17) Carbon Disulfide	2.56	76	988003	47.115	ug/l	100
18) Methyl Acetate	2.76	43	373760	46.260	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	1076184	47.455	ug/l	98
20) Methylene Chloride	2.84	84	395614	46.953	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	388553	45.136	ug/l	95
22) Diisopropyl ether	3.84	45	1127216	48.016	ug/l	99
23) Vinyl Acetate	3.80	43	4638815	247.753	ug/l	100
24) 1,1-Dichloroethane	3.69	63	633170	44.182	ug/l	99
25) 2-Butanone	4.65	43	1160563	237.732	ug/l	100
26) 2,2-Dichloropropane	4.57	77	509867	45.782	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	436800	46.787	ug/l	100
28) Bromochloromethane	5.00	49	268671	45.917	ug/l	96
29) Tetrahydrofuran	5.11	42	766520	240.800	ug/l	99
30) Chloroform	5.19	83	646974	44.751	ug/l	97
31) Cyclohexane	5.56	56	578250	49.421	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	555449	46.565	ug/l	99
36) 1,1-Dichloropropene	5.78	75	485796	46.305	ug/l	99
37) Ethyl Acetate	4.81	43	454758	47.755	ug/l	99
38) Carbon Tetrachloride	5.77	117	473820	47.537	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	634501	50.084	ug/l	97
40) Benzene	6.13	78	1507772	47.305	ug/l	97
41) Methacrylonitrile	5.03	41	256039	50.230	ug/l	95
42) 1,2-Dichloroethane	6.18	62	455347	47.384	ug/l	98
43) Isopropyl Acetate	6.43	43	740312	51.237	ug/l	99
44) Trichloroethene	7.20	130	423839	48.450	ug/l	95
45) 1,2-Dichloropropane	7.50	63	374389	49.754	ug/l	98
46) Dibromomethane	7.65	93	252006	47.866	ug/l	95
47) Bromodichloromethane	7.89	83	500719	50.642	ug/l	99
48) Methyl methacrylate	7.76	41	363266	52.534	ug/l	99
49) 1,4-Dioxane	7.73	88	192197	1011.616	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	2257524	253.123	ug/l	100
52) Toluene	8.78	92	955763	48.825	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	556210	52.577	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	597676	49.750	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	392146	47.247	ug/l	97
56) Ethyl methacrylate	9.17	69	572771	52.982	ug/l	98
57) 1,3-Dichloropropane	9.36	76	631613	46.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1418915	276.312	ug/l	100
59) 2-Hexanone	9.48	43	1700677	256.554	ug/l	99
60) Dibromochloromethane	9.57	129	413711	51.195	ug/l	98
61) 1,2-Dibromoethane	9.67	107	410692	48.580	ug/l	100
64) Tetrachloroethene	9.33	164	371350	50.018	ug/l	94
65) Chlorobenzene	10.13	112	1054979	49.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	375485	48.325	ug/l	98
67) Ethyl Benzene	10.25	91	1801393	49.170	ug/l	99
68) m/p-Xylenes	10.35	106	1405007	100.588	ug/l	99
69) o-Xylene	10.69	106	678030	50.477	ug/l	98
70) Styrene	10.71	104	1181149	52.750	ug/l	99
71) Bromoform	10.85	173	254727	50.155	ug/l	99
73) Isopropylbenzene	11.01	105	1814446	49.931	ug/l	99
74) N-amyl acetate	10.89	43	652554	52.532	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	543483	48.302	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	453733m	46.002	ug/l	
77) Bromobenzene	11.25	156	400695	47.465	ug/l	98
78) n-propylbenzene	11.35	91	2072129	51.133	ug/l	100
79) 2-Chlorotoluene	11.42	91	1206939	49.614	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1513473	52.248	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	186896	50.799	ug/l	98
82) 4-Chlorotoluene	11.50	91	1410710	51.035	ug/l	100
83) tert-Butylbenzene	11.76	119	1456602	51.068	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1555560	51.867	ug/l	100
85) sec-Butylbenzene	11.94	105	1784737	51.618	ug/l	99
86) p-Isopropyltoluene	12.06	119	1659306	53.939	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	795573	49.573	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	801887	47.973	ug/l	99
89) n-Butylbenzene	12.38	91	1468790	50.564	ug/l	99
90) Hexachloroethane	12.59	117	292432	49.270	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	790564	49.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	114911	51.630	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	487800	50.583	ug/l	97
94) Hexachlorobutadiene	13.78	225	206464	50.920	ug/l	98
95) Naphthalene	13.83	128	1768681	55.405	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	513854	54.436	ug/l	99

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

