

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006594.D
 Acq On : 18 Dec 2018 13:24
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX121818

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:13 AM

Quant Time: Dec 19 01:03:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:58:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	682670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1020985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	936133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	484091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	337527	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
35) Dibromofluoromethane	5.50	113	314755	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	8.71	98	1165595	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.13	95	433669	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	294616	47.175	ug/l	100
3) Chloromethane	1.32	50	320720	47.667	ug/l	98
4) Vinyl Chloride	1.41	62	333392	47.444	ug/l	99
5) Bromomethane	1.64	94	340901	52.064	ug/l	98
6) Chloroethane	1.71	64	214449	44.074	ug/l	99
7) Trichlorofluoromethane	1.93	101	525917	48.003	ug/l	97
8) Diethyl Ether	2.19	74	204746	47.052	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	307133	47.745	ug/l	99
10) Methyl Iodide	2.51	142	437258	47.486	ug/l	100
11) Tert butyl alcohol	3.07	59	403239	245.578	ug/l	98
12) 1,1-Dichloroethene	2.37	96	290898	47.692	ug/l	100
13) Acrolein	2.29	56	262460	236.941	ug/l	100
14) Allyl chloride	2.73	41	507704	49.451	ug/l	100
15) Acrylonitrile	3.15	53	900462	246.990	ug/l	100
16) Acetone	2.45	43	841531	248.953	ug/l	99
17) Carbon Disulfide	2.57	76	779405	48.286	ug/l	99
18) Methyl Acetate	2.78	43	486319	48.927	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1006703	49.728	ug/l	99
20) Methylene Chloride	2.85	84	323428	46.271	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	310789	45.987	ug/l	100
22) Diisopropyl ether	3.87	45	909786	48.438	ug/l	93
23) Vinyl Acetate	3.82	43	3791735	246.801	ug/l	100
24) 1,1-Dichloroethane	3.70	63	516962	46.107	ug/l	99
25) 2-Butanone	4.70	43	1148641	241.576	ug/l	100
26) 2,2-Dichloropropane	4.58	77	433282	50.026	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	357067	47.887	ug/l	99
28) Bromochloromethane	5.02	49	240504	50.918	ug/l	100
29) Tetrahydrofuran	5.15	42	754418	240.901	ug/l	99
30) Chloroform	5.21	83	551630	47.509	ug/l	95
31) Cyclohexane	5.57	56	481284	47.249	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	490817	50.062	ug/l	99
36) 1,1-Dichloropropene	5.80	75	413708	48.924	ug/l	100
37) Ethyl Acetate	4.85	43	432402	49.130	ug/l	100
38) Carbon Tetrachloride	5.78	117	420470	51.164	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	546633	49.102	ug/l	98
40) Benzene	6.14	78	1262299	49.109	ug/l	99
41) Methacrylonitrile	5.06	41	240967	51.568	ug/l	99
42) 1,2-Dichloroethane	6.20	62	422210	48.205	ug/l	99
43) Isopropyl Acetate	6.46	43	700623	52.318	ug/l	100
44) Trichloroethene	7.21	130	381877	49.086	ug/l	98
45) 1,2-Dichloropropane	7.52	63	314311	50.250	ug/l	97
46) Dibromomethane	7.66	93	225814	49.081	ug/l	98
47) Bromodichloromethane	7.90	83	396753	51.941	ug/l	98
48) Methyl methacrylate	7.77	41	354308	52.028	ug/l	99
49) 1,4-Dioxane	7.75	88	182661	1025.661	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2189073	256.915	ug/l	100
52) Toluene	8.78	92	828369	49.884	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	449957	54.925	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	493035	54.849	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	338331	49.776	ug/l	98
56) Ethyl methacrylate	9.18	69	501186	52.170	ug/l	100
57) 1,3-Dichloropropane	9.37	76	539769	49.359	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1286061	251.842	ug/l	100
59) 2-Hexanone	9.49	43	1665421	255.461	ug/l	99
60) Dibromochloromethane	9.59	129	349804	55.873	ug/l	99
61) 1,2-Dibromoethane	9.67	107	369252	51.104	ug/l	100
64) Tetrachloroethene	9.34	164	355555	47.965	ug/l	96
65) Chlorobenzene	10.14	112	966720	48.813	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	340279	55.070	ug/l	99
67) Ethyl Benzene	10.25	91	1594022	49.256	ug/l	99
68) m/p-Xylenes	10.36	106	1286200	100.720	ug/l	98
69) o-Xylene	10.70	106	625707	49.619	ug/l	99
70) Styrene	10.71	104	1013737	50.814	ug/l	100
71) Bromoform	10.86	173	262483	47.354	ug/l	99
73) Isopropylbenzene	11.02	105	1654076	49.945	ug/l	99
74) N-amyl acetate	10.90	43	622017	52.472	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	492447	49.999	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	466041m	51.803	ug/l	
77) Bromobenzene	11.26	156	447746	50.008	ug/l	99
78) n-propylbenzene	11.36	91	1840271	50.461	ug/l	100
79) 2-Chlorotoluene	11.42	91	1072662	48.535	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1366049	50.079	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	139219	47.340	ug/l	98
82) 4-Chlorotoluene	11.51	91	1253647	49.452	ug/l	100
83) tert-Butylbenzene	11.77	119	1403196	51.398	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1397118	48.694	ug/l	100
85) sec-Butylbenzene	11.94	105	1675121	50.045	ug/l	100
86) p-Isopropyltoluene	12.06	119	1506956	51.216	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	798982	49.514	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	807476	48.813	ug/l	100
89) n-Butylbenzene	12.39	91	1281938	51.194	ug/l	99
90) Hexachloroethane	12.60	117	222836	48.497	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	786155	48.702	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	103352	50.714	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	565779	50.812	ug/l	100
94) Hexachlorobutadiene	13.78	225	264341	50.367	ug/l	98
95) Naphthalene	13.83	128	1760815	49.547	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	566968	49.317	ug/l	98

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

