

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014051.D
 Acq On : 17 Dec 2019 11:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/18/2019 11:04:25 AM

Quant Time: Dec 18 07:28:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	650471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	979530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	888804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	451053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	356668	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	5.48	113	294354	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	8.71	98	1153990	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.13	95	417610	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	292399	50.246	ug/l	99
3) Chloromethane	1.32	50	392435	50.250	ug/l	100
4) Vinyl Chloride	1.41	62	414553	50.307	ug/l	99
5) Bromomethane	1.63	94	280622	47.980	ug/l	97
6) Chloroethane	1.72	64	256337	50.401	ug/l	95
7) Trichlorofluoromethane	1.92	101	517925	50.772	ug/l	99
8) Diethyl Ether	2.18	74	235068	49.100	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	316106	51.406	ug/l	99
10) Methyl Iodide	2.50	142	412166	50.783	ug/l	100
11) Tert butyl alcohol	3.03	59	386553	242.663	ug/l	99
12) 1,1-Dichloroethene	2.37	96	315456	50.416	ug/l	94
13) Acrolein	2.28	56	292140	320.378	ug/l	98
14) Allyl chloride	2.72	41	585676	52.424	ug/l	100
15) Acrylonitrile	3.13	53	934196	251.257	ug/l	100
16) Acetone	2.43	43	1138277	237.828	ug/l	99
17) Carbon Disulfide	2.56	76	874983	50.365	ug/l	99
18) Methyl Acetate	2.76	43	471348	49.700	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1064352	51.765	ug/l	97
20) Methylene Chloride	2.85	84	362862	48.145	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	342560	49.694	ug/l	97
22) Diisopropyl ether	3.84	45	1153684	51.821	ug/l	96
23) Vinyl Acetate	3.80	43	4996621	275.027	ug/l	100
24) 1,1-Dichloroethane	3.69	63	619480	50.014	ug/l	99
25) 2-Butanone	4.65	43	1474184	249.830	ug/l	100
26) 2,2-Dichloropropane	4.57	77	512696	53.313	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	390637	50.107	ug/l	100
28) Bromochloromethane	5.00	49	271211	56.872	ug/l	98
29) Tetrahydrofuran	5.11	42	850350	257.648	ug/l	99
30) Chloroform	5.20	83	598482	50.970	ug/l	98
31) Cyclohexane	5.57	56	582239	52.853	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	509589	50.922	ug/l	99
36) 1,1-Dichloropropene	5.79	75	468771	52.157	ug/l	100
37) Ethyl Acetate	4.82	43	522881	52.683	ug/l	99
38) Carbon Tetrachloride	5.77	117	439824	53.717	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	605130	54.528	ug/l	99
40) Benzene	6.13	78	1409701	50.976	ug/l	100
41) Methacrylonitrile	5.02	41	283257	51.437	ug/l	99
42) 1,2-Dichloroethane	6.18	62	475128	50.685	ug/l	100
43) Isopropyl Acetate	6.43	43	866682	52.765	ug/l	100
44) Trichloroethene	7.20	130	382150	50.031	ug/l	100
45) 1,2-Dichloropropane	7.50	63	369865	52.182	ug/l	98
46) Dibromomethane	7.65	93	236743	50.519	ug/l	99
47) Bromodichloromethane	7.89	83	476493	53.988	ug/l	100
48) Methyl methacrylate	7.76	41	429238	53.368	ug/l	97
49) 1,4-Dioxane	7.73	88	169939	1038.250	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2661888	258.049	ug/l	100
52) Toluene	8.78	92	885542	50.662	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	534741	55.255	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	600970	55.741	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	360227	51.420	ug/l	98
56) Ethyl methacrylate	9.17	69	582520	52.934	ug/l	99
57) 1,3-Dichloropropane	9.36	76	605022	51.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	818532	196.549	ug/l	100
59) 2-Hexanone	9.48	43	2126733	256.111	ug/l	99
60) Dibromochloromethane	9.57	129	383803	55.116	ug/l	99
61) 1,2-Dibromoethane	9.67	107	374431	52.238	ug/l	100
64) Tetrachloroethene	9.33	164	356779	45.364	ug/l	96
65) Chlorobenzene	10.14	112	961233	50.864	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	355337	52.660	ug/l	99
67) Ethyl Benzene	10.24	91	1714592	52.772	ug/l	100
68) m/p-Xylenes	10.35	106	1312323	105.017	ug/l	100
69) o-Xylene	10.70	106	633134	51.660	ug/l	99
70) Styrene	10.71	104	1093504	52.765	ug/l	99
71) Bromoform	10.85	173	293734	54.154	ug/l #	100
73) Isopropylbenzene	11.01	105	1686036	53.091	ug/l	100
74) N-amyl acetate	10.89	43	781636	52.508	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	555272	50.433	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	449884m	45.943	ug/l	
77) Bromobenzene	11.25	156	427701	48.949	ug/l	99
78) n-propylbenzene	11.35	91	1934852	54.317	ug/l	99
79) 2-Chlorotoluene	11.42	91	1122931	51.859	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1411130	52.797	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	194443	56.046	ug/l	98
82) 4-Chlorotoluene	11.51	91	1296896	51.633	ug/l	100
83) tert-Butylbenzene	11.76	119	1414404	54.379	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1414502	52.847	ug/l	99
85) sec-Butylbenzene	11.94	105	1658239	54.004	ug/l	100
86) p-Isopropyltoluene	12.06	119	1540244	54.838	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	769998	50.282	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	768271	49.340	ug/l	99
89) n-Butylbenzene	12.38	91	1354946	56.536	ug/l	99
90) Hexachloroethane	12.59	117	272495	54.013	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	765814	49.677	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	118965	48.827	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	528903	52.787	ug/l	99
94) Hexachlorobutadiene	13.78	225	252678	52.473	ug/l	99
95) Naphthalene	13.83	128	1585664	53.865	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	523122	52.890	ug/l	98

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

