

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123119\
 Data File : VX014370.D
 Acq On : 31 Dec 2019 11:00
 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
 1/2/2020 9:51:39 AM

Quant Time: Jan 01 03:42:02 2020
 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	444627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	676898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	629495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	276002	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	5.48	113	230654	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	
50) Toluene-d8	8.71	98	862449	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	11.13	95	315765	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	162524	40.858	ug/l	98
3) Chloromethane	1.32	50	229824	43.053	ug/l	99
4) Vinyl Chloride	1.40	62	240509	42.698	ug/l	99
5) Bromomethane	1.63	94	184174	46.068	ug/l	97
6) Chloroethane	1.72	64	159682	45.932	ug/l	94
7) Trichlorofluoromethane	1.92	101	319383	45.804	ug/l	99
8) Diethyl Ether	2.18	74	159264	48.667	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	202601	48.201	ug/l	99
10) Methyl Iodide	2.50	142	223451	40.820	ug/l	99
11) Tert butyl alcohol	3.03	59	265994	244.286	ug/l	99
12) 1,1-Dichloroethene	2.37	96	192673	45.048	ug/l	96
13) Acrolein	2.28	56	183893	295.032	ug/l	96
14) Allyl chloride	2.72	41	384617	50.365	ug/l	99
15) Acrylonitrile	3.13	53	690530	271.704	ug/l	99
16) Acetone	2.43	43	656156	200.565	ug/l	99
17) Carbon Disulfide	2.56	76	483620	40.869	ug/l	100
18) Methyl Acetate	2.76	43	354667	54.710	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	740058	52.656	ug/l	99
20) Methylene Chloride	2.85	84	246376	47.823	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	213733	45.360	ug/l	99
22) Diisopropyl ether	3.84	45	820826	53.939	ug/l	95
23) Vinyl Acetate	3.80	43	3518263	283.309	ug/l	100
24) 1,1-Dichloroethane	3.69	63	418289	49.405	ug/l	99
25) 2-Butanone	4.65	43	1000864	248.142	ug/l	99
26) 2,2-Dichloropropane	4.57	77	319012	48.530	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	264625	49.658	ug/l	99
28) Bromochloromethane	5.00	49	187481	57.510	ug/l	96
29) Tetrahydrofuran	5.11	42	611147	270.899	ug/l	99
30) Chloroform	5.20	83	408671	50.918	ug/l	99
31) Cyclohexane	5.56	56	356483	47.341	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	328441	48.015	ug/l	100
36) 1,1-Dichloropropene	5.79	75	295077	47.509	ug/l	100
37) Ethyl Acetate	4.81	43	372510	54.313	ug/l	99
38) Carbon Tetrachloride	5.78	117	275767	48.739	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	362632	47.286	ug/l	98
40) Benzene	6.13	78	942451	49.316	ug/l	99
41) Methacrylonitrile	5.03	41	207796	54.604	ug/l	99
42) 1,2-Dichloroethane	6.18	62	331728	51.209	ug/l	100
43) Isopropyl Acetate	6.43	43	611502	53.874	ug/l	99
44) Trichloroethene	7.20	130	253509	48.027	ug/l	98
45) 1,2-Dichloropropane	7.50	63	259022	52.882	ug/l	97
46) Dibromomethane	7.65	93	164803	50.890	ug/l	99
47) Bromodichloromethane	7.89	83	322649	52.902	ug/l	99
48) Methyl methacrylate	7.76	41	305052	54.884	ug/l	97
49) 1,4-Dioxane	7.73	88	108598	960.119	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1927788	270.437	ug/l	99
52) Toluene	8.78	92	591799	48.994	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	362591	54.218	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	406796	54.600	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	259241	53.549	ug/l	98
56) Ethyl methacrylate	9.17	69	411823	54.154	ug/l	99
57) 1,3-Dichloropropane	9.36	76	429739	52.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	832200	289.173	ug/l	99
59) 2-Hexanone	9.48	43	1471342	256.403	ug/l	99
60) Dibromochloromethane	9.57	129	263099	54.674	ug/l	100
61) 1,2-Dibromoethane	9.67	107	261584	52.811	ug/l	100
64) Tetrachloroethene	9.33	164	256238	46.001	ug/l	98
65) Chlorobenzene	10.13	112	646818	48.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	242478	50.738	ug/l	100
67) Ethyl Benzene	10.25	91	1130277	49.118	ug/l	99
68) m/p-Xylenes	10.35	106	856471	96.771	ug/l	98
69) o-Xylene	10.69	106	420648	48.461	ug/l	99
70) Styrene	10.71	104	736599	50.184	ug/l	99
71) Bromoform	10.85	173	201749	52.517	ug/l	99
73) Isopropylbenzene	11.01	105	1115688	49.832	ug/l	100
74) N-amyl acetate	10.89	43	538625	51.324	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	394350	50.805	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	325564m	47.159	ug/l	
77) Bromobenzene	11.25	156	295159	47.915	ug/l	99
78) n-propylbenzene	11.35	91	1268102	50.495	ug/l	99
79) 2-Chlorotoluene	11.42	91	746680	48.912	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	927730	49.236	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	132382	54.125	ug/l	98
82) 4-Chlorotoluene	11.51	91	870709	49.171	ug/l	99
83) tert-Butylbenzene	11.76	119	888021	48.428	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	946619	50.166	ug/l	100
85) sec-Butylbenzene	11.94	105	1080293	49.904	ug/l	99
86) p-Isopropyltoluene	12.06	119	988120	49.901	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	520276	48.191	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	517903	47.178	ug/l	99
89) n-Butylbenzene	12.38	91	873799	51.716	ug/l	100
90) Hexachloroethane	12.59	117	174341	49.018	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	529478	48.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	81923	47.693	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	356439	50.460	ug/l	97
94) Hexachlorobutadiene	13.77	225	167386	49.306	ug/l	98
95) Naphthalene	13.83	128	1116983	53.821	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	364449	52.266	ug/l	99

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

