

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033309.D
 Acq On : 14 Mar 2019 10:16
 Operator : SY/AP
 Sample : VL0313ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:58 PM

Quant Time: Mar 15 02:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 15 02:24:19 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	738177	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1671223	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2013911	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1518117	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	1376034	10.075	ppbv 98
3) Chlorodifluoromethane	3.01	51	864632	8.979	ppbv 100
4) Chloromethane	3.17	50	459471	8.814	ppbv 100
5) Vinyl Chloride	3.29	62	453514	8.691	ppbv 100
6) Bromomethane	3.51	94	290337	9.241	ppbv 98
7) Chloroethane	3.60	64	173041	9.261	ppbv 100
8) Dichlorotetrafluoroethane	3.22	85	1128243	9.045	ppbv 99
9) Propene	3.04	41	376517	8.664	ppbv 98
10) Heptane	8.25	43	1001765	9.430	ppbv 98
11) Trichlorofluoromethane	4.00	101	1264908	9.217	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	840148	9.080	ppbv 99
13) Ethanol	3.65	45	85871	6.456	ppbv 99
14) Bromoethene	3.79	108	371276	9.654	ppbv 99
15) Acetone	3.90	43	818167	8.061	ppbv 100
16) 1,3-Butadiene	3.36	39	378790	9.114	ppbv 91
17) tert-Butyl alcohol	4.36	59	158111	8.932	ppbv 98
18) 1,1-Dichloroethene	4.35	96	387722	9.488	ppbv 98
19) Isopropyl Alcohol	4.02	45	536310	8.637	ppbv 100
20) Methylene Chloride	4.41	84	324080	7.887	ppbv 97
21) Allyl Chloride	4.48	41	572945	9.350	ppbv 98
22) trans-1,2-Dichloroethene	4.96	96	392452	9.520	ppbv 99
23) Vinyl Acetate	5.16	43	1423772	9.662	ppbv 99
24) 1,1-Dichloroethane	5.09	63	991474	9.301	ppbv 100
25) Ethyl Acetate	5.77	43	1727248	9.342	ppbv 100
26) Hexane	5.78	57	762563	8.827	ppbv 99
27) Carbon Disulfide	4.62	76	963042	10.424	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1169916	9.420	ppbv 100
29) Chloroform	5.85	83	1286542	9.580	ppbv 99
30) Cyclohexane	7.25	84	641803	9.570	ppbv 99
31) cis-1,2-Dichloroethene	5.64	61	795570	9.564	ppbv 98
32) 1,1,1-Trichloroethane	6.62	97	1267110	9.723	ppbv 99
34) 2-Butanone	5.33	43	1113771	9.639	ppbv 100
35) Carbon Tetrachloride	7.14	117	1316959	10.251	ppbv 98
36) Benzene	7.01	78	1598445	9.739	ppbv 99
37) 1,2-Dichloroethane	6.42	62	995235	10.150	ppbv 100
38) Trichloroethene	7.96	130	590278	9.096	ppbv 98
39) 1,2-Dichloropropane	7.74	63	598342	9.493	ppbv 98
40) 1,4-Dioxane	7.95	88	209998	9.220	ppbv 70
41) Tetrahydrofuran	6.15	42	648992	10.124	ppbv 99
42) Bromodichloromethane	7.92	83	1396054	10.157	ppbv 99
43) Methyl Methacrylate	8.14	69	644080	9.857	ppbv 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033309.D
 Acq On : 14 Mar 2019 10:16
 Operator : SY/AP
 Sample : VL0313ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:58 PM

Quant Time: Mar 15 02:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 15 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2633874	9.386	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	868402	11.332	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	983673	10.654	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	652479	9.672	ppbv	99
48) Dibromochloromethane	10.45	129	1179000	10.623	ppbv	99
49) Bromoform	13.21	173	1143722	11.894	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1632590	9.752	ppbv	100
51) 2-Hexanone	10.27	43	1296030	10.139	ppbv	99
52) Tetrachloroethene	11.37	164	645928	9.581	ppbv	97
53) Toluene	9.95	91	1862572	9.910	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1046870	9.720	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	910314	10.074	ppbv	99
57) Chlorobenzene	12.30	112	1512051	9.300	ppbv	95
58) Ethyl Benzene	12.87	91	2890101	9.997	ppbv	99
59) m/p-Xylene	13.15	91	4818137m	19.820	ppbv	
60) o-Xylene	13.85	91	2357893	10.056	ppbv	99
61) Styrene	13.69	104	1749609	10.633	ppbv	100
62) Isopropylbenzene	14.83	105	3299172	10.001	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1620639	9.590	ppbv	100
64) n-propylbenzene	15.72	120	831475	10.165	ppbv	100
65) tert-Butylbenzene	16.91	119	2928039	10.503	ppbv	99
66) Benzyl Chloride	17.16	91	1488944	13.423	ppbv	99
67) sec-Butylbenzene	17.46	105	4168813	10.400	ppbv	100
69) p-Isopropyltoluene	17.82	119	3427158	10.700	ppbv	100
70) n-Butylbenzene	18.72	91	3638044	10.864	ppbv	100
71) 2-Chlorotoluene	15.62	91	2552873	10.333	ppbv	99
72) 4-Ethyltoluene	16.00	105	2715698	10.812	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2619222	11.090	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2683350	11.134	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1518687	10.067	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1520983	10.325	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1490077	10.145	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	831822	7.679	ppbv	99
79) Naphthalene	22.42	128	2735731	13.817	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1258916	22.701	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1371920	12.185	ppbv	99

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

