

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034423.D
 Acq On : 2 Dec 2019 12:23
 Operator : SY/AP
 Sample : VL1202ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/6/2019 12:45:49 PM

Quant Time: Dec 03 03:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	990876	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2036188	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.15	117	2309076	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1766334	9.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1447978	8.078	ppbv 94
3) Chlorodifluoromethane	2.97	51	1246782	10.085	ppbv 100
4) Chloromethane	3.12	50	753771	10.337	ppbv 99
5) Vinyl Chloride	3.24	62	699000	10.231	ppbv 94
6) Bromomethane	3.46	94	369398	10.745	ppbv 93
7) Chloroethane	3.54	64	268177	10.814	ppbv 93
8) Dichlorotetrafluoroethane	3.17	85	1619212	10.059	ppbv 99
9) Propene	2.99	41	557261	10.153	ppbv 99
10) Heptane	8.17	43	1497702	10.573	ppbv 99
11) Trichlorofluoromethane	3.94	101	1834010	10.280	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1216490	10.268	ppbv 100
13) Ethanol	3.59	45	110692	7.240	ppbv 93
14) Bromoethene	3.73	108	513133	10.652	ppbv 99
15) Acetone	3.84	43	1339141	9.438	ppbv 99
16) 1,3-Butadiene	3.31	39	646011	10.452	ppbv 98
17) tert-Butyl alcohol	4.29	59	1045445	8.766	ppbv 100
18) 1,1-Dichloroethene	4.29	96	551324	10.638	ppbv 97
19) Isopropyl Alcohol	3.96	45	832223	9.151	ppbv 100
20) Methylene Chloride	4.35	84	480156	9.543	ppbv 93
21) Allyl Chloride	4.41	41	939254	11.047	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	570814	10.926	ppbv 91
23) Vinyl Acetate	5.09	43	2039269	11.002	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1481033	10.402	ppbv 99
25) Ethyl Acetate	5.69	43	2597335	10.258	ppbv 99
26) Hexane	5.71	57	1101552	10.125	ppbv 98
27) Carbon Disulfide	4.55	76	1412876	11.923	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1919863	10.642	ppbv 100
29) Chloroform	5.78	83	1827506	10.373	ppbv 92
30) Cyclohexane	7.17	84	888439	10.802	ppbv 98
31) cis-1,2-Dichloroethene	5.57	61	1218914	10.842	ppbv 96
32) 1,1,1-Trichloroethane	6.54	97	1840918	11.144	ppbv 100
34) 2-Butanone	5.26	43	1718519	10.254	ppbv 100
35) Carbon Tetrachloride	7.05	117	1923336	10.986	ppbv 98
36) Benzene	6.93	78	2111037	10.371	ppbv 97
37) 1,2-Dichloroethane	6.34	62	1570131	10.384	ppbv 99
38) Trichloroethene	7.88	130	851834	10.198	ppbv 98
39) 1,2-Dichloropropane	7.66	63	885193	11.288	ppbv 94
40) 1,4-Dioxane	7.87	88	310042	9.051	ppbv # 97
41) Tetrahydrofuran	6.07	42	995983	10.595	ppbv 99
42) Bromodichloromethane	7.84	83	2033724	10.754	ppbv 100
43) Methyl Methacrylate	8.06	69	918665	10.882	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034423.D
 Acq On : 2 Dec 2019 12:23
 Operator : SY/AP
 Sample : VL1202ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/6/2019 12:45:49 PM

Quant Time: Dec 03 03:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3760713	10.110	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1264794	11.682	ppbv	97
46) cis-1,3-Dichloropropene	8.75	75	1414377	11.630	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	914889	10.488	ppbv	95
48) Dibromochloromethane	10.37	129	1701114	11.358	ppbv	99
49) Bromoform	13.11	173	1533127	11.467	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2534990	10.454	ppbv	100
51) 2-Hexanone	10.18	43	2136357	10.517	ppbv	99
52) Tetrachloroethene	11.28	164	823074	9.346	ppbv	96
53) Toluene	9.86	91	2458330	10.633	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1390164	10.395	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	1102703	9.763	ppbv	94
57) Chlorobenzene	12.21	112	1905850	9.131	ppbv	99
58) Ethyl Benzene	12.78	91	3370387	9.406	ppbv	98
59) m/p-Xylene	13.07	91	5669783m	18.304	ppbv	
60) o-Xylene	13.76	91	2827903	9.234	ppbv	99
61) Styrene	13.60	104	2126109	9.627	ppbv	100
62) Isopropylbenzene	14.74	105	3699617	9.134	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	2000592	8.690	ppbv	100
64) n-propylbenzene	15.64	120	989451	9.407	ppbv	98
65) tert-Butylbenzene	16.82	119	3316459	9.115	ppbv	100
66) Benzyl Chloride	17.07	91	1679738	12.001	ppbv	99
67) sec-Butylbenzene	17.37	105	4574748	8.989	ppbv	100
69) p-Isopropyltoluene	17.73	119	3854138	9.125	ppbv	100
70) n-Butylbenzene	18.63	91	4048963	8.909	ppbv	99
71) 2-Chlorotoluene	15.53	91	2949895	9.134	ppbv	99
72) 4-Ethyltoluene	15.92	105	3282644	9.276	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	3166901	9.143	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	3241112	8.809	ppbv	93
75) 1,3-Dichlorobenzene	17.08	146	1866274	8.824	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1892876	9.217	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1827043	8.944	ppbv	100
78) Hexachloro-1,3-Butadiene	23.46	225	1528464	8.709	ppbv	99
79) Naphthalene	22.31	128	2868093	8.992	ppbv	99
80) Naphthalene, 2-methyl-	25.05	142	1576627	10.946	ppbv	97
81) 1,2,4-Trichlorobenzene	22.04	180	1740252	8.881	ppbv	99

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

