

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035583.D
 Acq On : 10 Sep 2020 14:28
 Operator : SY/AP
 Sample : VL0910ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 2:03:12 PM

Quant Time: Sep 11 08:27:07 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 2

QLast Update : Thu Aug 27 06:46:28 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1076002	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4571358	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4839714m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3464309	10.08	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1409000	7.556	ppbv 99
3) Chlorodifluoromethane	2.97	51	1144677	9.619	ppbv 99
4) Chloromethane	3.13	50	620728	9.736	ppbv 98
5) Vinyl Chloride	3.24	62	731750	9.309	ppbv 99
6) Bromomethane	3.46	94	649338	9.835	ppbv 99
7) Chloroethane	3.55	64	277845	9.998	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2085657	9.236	ppbv 96
9) Propene	3.00	41	448754	9.781	ppbv 98
10) Heptane	8.12	43	1239489	10.058	ppbv 99
11) Trichlorofluoromethane	3.94	101	2507721	9.222	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1909478	9.303	ppbv 94
13) Ethanol	3.59	45	97894	8.606	ppbv 98
14) Bromoethene	3.73	108	874365	9.897	ppbv 99
15) Acetone	3.84	43	1174230	9.895	ppbv 98
16) 1,3-Butadiene	3.31	39	443764	10.045	ppbv 100
17) tert-Butyl alcohol	4.28	59	1458110	10.094	ppbv 100
18) 1,1-Dichloroethene	4.28	96	889713	9.844	ppbv 96
19) Isopropyl Alcohol	3.96	45	695384	9.822	ppbv 99
20) Methylene Chloride	4.33	84	740955	8.383	ppbv 97
21) Allyl Chloride	4.40	41	595057	10.703	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	929417	9.659	ppbv 95
23) Vinyl Acetate	5.07	43	1641318	10.776	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1530978	9.767	ppbv 99
25) Ethyl Acetate	5.67	43	2047518	9.766	ppbv 100
26) Hexane	5.68	57	1164277	9.801	ppbv 99
27) Carbon Disulfide	4.54	76	1910348	11.207	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	2104011	10.163	ppbv 100
29) Chloroform	5.75	83	2364968	9.771	ppbv 100
30) Cyclohexane	7.13	84	1328704	10.441	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1250723	10.263	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	2350227	10.010	ppbv 99
34) 2-Butanone	5.24	43	1434163	10.571	ppbv 100
35) Carbon Tetrachloride	7.02	117	2460767	10.711	ppbv 100
36) Benzene	6.89	78	3049582	10.306	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1457913	10.334	ppbv 100
38) Trichloroethene	7.83	130	1584411	9.218	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1024161	10.246	ppbv 99
40) 1,4-Dioxane	7.83	88	513960	10.292	ppbv 84
41) Tetrahydrofuran	6.04	42	801167	11.137	ppbv 99
42) Bromodichloromethane	7.79	83	2505856	10.984	ppbv 99
43) Methyl Methacrylate	8.02	69	1276464	11.156	ppbv 99

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 QLast Update : Thu Aug 27 06:46:28 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3930695	10.096	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1455924	12.561	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1712507	11.899	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1505577	10.207	ppbv	98
48) Dibromochloromethane	10.31	129	2586553	11.142	ppbv	100
49) Bromoform	13.05	173	2382145	11.323	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2114598	10.764	ppbv	99
51) 2-Hexanone	10.13	43	1841659	11.428	ppbv	100
52) Tetrachloroethene	11.23	164	1594598	9.224	ppbv	98
53) Toluene	9.81	91	3870043	10.400	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2403977	10.314	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2032592	10.322	ppbv	96
57) Chlorobenzene	12.15	112	3354000	9.416	ppbv	97
58) Ethyl Benzene	12.72	91	5108666	10.236	ppbv	99
59) m/p-Xylene	13.01	91	8669747m	20.790	ppbv	
60) o-Xylene	13.70	91	4222769	10.054	ppbv	99
61) Styrene	13.54	104	3459649	10.770	ppbv	99
62) Isopropylbenzene	14.68	105	6438931	9.544	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3013093	9.253	ppbv	100
64) n-propylbenzene	15.57	120	2074248	10.074	ppbv	96
65) tert-Butylbenzene	16.76	119	6088128	9.707	ppbv	98
66) Benzyl Chloride	17.00	91	2225114	14.275	ppbv	98
67) sec-Butylbenzene	17.31	105	7990201	9.562	ppbv	98
69) p-Isopropyltoluene	17.67	119	7029624	9.591	ppbv	99
70) n-Butylbenzene	18.56	91	6962777	9.862	ppbv	99
71) 2-Chlorotoluene	15.46	91	4969663	10.115	ppbv	98
72) 4-Ethyltoluene	15.85	105	5411729	10.135	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4996653	10.117	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5244562	9.670	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3706413	9.226	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3779249	9.539	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3644905	9.365	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2215145	8.914	ppbv	100
79) Naphthalene	22.22	128	6299425	10.468	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2497057	12.157	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3453862	9.584	ppbv	100

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

