

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035713.D
 Acq On : 23 Sep 2020 10:25
 Operator : SY/AP
 Sample : VL0923ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0923ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:29 PM

Quant Time: Sep 24 08:36:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1203372	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4617624	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4664184m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3510012	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1890987	9.577	ppbv	99
3) Chlorodifluoromethane	2.99	51	1239688	9.576	ppbv	99
4) Chloromethane	3.14	50	670386	9.640	ppbv	97
5) Vinyl Chloride	3.26	62	801999	9.750	ppbv	100
6) Bromomethane	3.47	94	670503	9.643	ppbv	99
7) Chloroethane	3.56	64	293478	9.728	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2231956	9.320	ppbv	100
9) Propene	3.01	41	475284	10.111	ppbv	100
10) Heptane	8.14	43	1394843	10.644	ppbv	99
11) Trichlorofluoromethane	3.95	101	2629166	9.332	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1984472	9.449	ppbv	100
13) Ethanol	3.61	45	108210	9.335	ppbv	97
14) Bromoethene	3.74	108	880157	9.949	ppbv	100
15) Acetone	3.85	43	1065714	8.230	ppbv	100
16) 1,3-Butadiene	3.32	39	498422	10.522	ppbv	99
17) tert-Butyl alcohol	4.30	59	1560425	11.063	ppbv	100
18) 1,1-Dichloroethene	4.29	96	918755	9.992	ppbv	99
19) Isopropyl Alcohol	3.97	45	775021	11.003	ppbv	99
20) Methylene Chloride	4.35	84	759032	7.980	ppbv	97
21) Allyl Chloride	4.41	41	652732	10.400	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	965639	9.940	ppbv	98
23) Vinyl Acetate	5.08	43	1711560	10.792	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1665410	9.641	ppbv	100
25) Ethyl Acetate	5.68	43	2264728	9.720	ppbv	100
26) Hexane	5.70	57	1268340	9.934	ppbv	100
27) Carbon Disulfide	4.55	76	2031614	10.676	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2170782	10.726	ppbv	99
29) Chloroform	5.76	83	2496391	9.628	ppbv	100
30) Cyclohexane	7.14	84	1376508	10.927	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1336452	10.843	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2415047	10.566	ppbv	100
34) 2-Butanone	5.25	43	1545852	10.121	ppbv	100
35) Carbon Tetrachloride	7.03	117	2490155	10.343	ppbv	99
36) Benzene	6.91	78	3142351	10.444	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1543203	9.841	ppbv	100
38) Trichloroethene	7.85	130	1576141	10.501	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1096031	10.050	ppbv	99
40) 1,4-Dioxane	7.84	88	532235	10.671	ppbv	98
41) Tetrahydrofuran	6.06	42	872004	11.333	ppbv	100
42) Bromodichloromethane	7.81	83	2597149	10.281	ppbv	100
43) Methyl Methacrylate	8.03	69	1332472	11.135	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4286333	9.928	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1479244	12.244	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1782689	11.970	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1532196	9.809	ppbv	99
48) Dibromochloromethane	10.33	129	2559002	10.764	ppbv	100
49) Bromoform	13.07	173	2267145	11.239	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2310466	10.357	ppbv	100
51) 2-Hexanone	10.15	43	1930614	10.742	ppbv	100
52) Tetrachloroethene	11.25	164	1463766	10.116	ppbv	100
53) Toluene	9.83	91	3936546	11.095	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2386872	10.204	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1984057	10.145	ppbv	96
57) Chlorobenzene	12.17	112	3312853	9.404	ppbv	99
58) Ethyl Benzene	12.74	91	5097421	10.889	ppbv	98
59) m/p-Xylene	13.02	91	8372612m	20.480	ppbv	
60) o-Xylene	13.72	91	4273688	10.334	ppbv	100
61) Styrene	13.55	104	3333775	11.658	ppbv	100
62) Isopropylbenzene	14.70	105	6407131	9.988	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3112173	9.177	ppbv	100
64) n-propylbenzene	15.59	120	1964579	10.464	ppbv	99
65) tert-Butylbenzene	16.78	119	5873818	10.072	ppbv	100
66) Benzyl Chloride	17.02	91	2101894	11.895	ppbv	99
67) sec-Butylbenzene	17.33	105	7869911	9.772	ppbv	100
69) p-Isopropyltoluene	17.69	119	6611181	10.090	ppbv	99
70) n-Butylbenzene	18.58	91	6566713	9.733	ppbv	100
71) 2-Chlorotoluene	15.48	91	4899093	10.471	ppbv	100
72) 4-Ethyltoluene	15.87	105	5214369	10.644	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4835540	10.445	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5035381	9.649	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	3328466	9.342	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	3311473	9.723	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3243065	9.637	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1738311	9.362	ppbv	100
79) Naphthalene	22.24	128	4843823	9.731	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1266152	10.784	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2513290	9.743	ppbv	100

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

