

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092920\
 Data File : VL035726.D
 Acq On : 29 Sep 2020 15:26
 Operator : SY/AP
 Sample : VL0929ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0929ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 5:32:12 PM

Quant Time: Sep 30 02:53:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 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	1163709	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4466533	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4637526m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3395095	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1765867	9.248	ppbv	98
3) Chlorodifluoromethane	2.99	51	1188768	9.495	ppbv	100
4) Chloromethane	3.14	50	644476	9.583	ppbv	99
5) Vinyl Chloride	3.26	62	757298	9.520	ppbv	100
6) Bromomethane	3.47	94	631290	9.388	ppbv	97
7) Chloroethane	3.56	64	275902	9.457	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2141294	9.246	ppbv	99
9) Propene	3.01	41	456621	10.045	ppbv	100
10) Heptane	8.15	43	1351774	10.667	ppbv	100
11) Trichlorofluoromethane	3.96	101	2546590	9.347	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1884268	9.278	ppbv	100
13) Ethanol	3.62	45	87330	7.791	ppbv	99
14) Bromoethene	3.75	108	839249	9.810	ppbv	100
15) Acetone	3.86	43	1017863	8.129	ppbv	99
16) 1,3-Butadiene	3.33	39	474846	10.366	ppbv	99
17) tert-Butyl alcohol	4.30	59	1362801	9.991	ppbv	100
18) 1,1-Dichloroethene	4.30	96	874611	9.836	ppbv	97
19) Isopropyl Alcohol	3.98	45	637390	9.358	ppbv	100
20) Methylene Chloride	4.35	84	721719	7.847	ppbv	99
21) Allyl Chloride	4.42	41	604754	9.964	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	906495	9.649	ppbv	99
23) Vinyl Acetate	5.09	43	1634165	10.655	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1598123	9.566	ppbv	100
25) Ethyl Acetate	5.69	43	2188717	9.714	ppbv	100
26) Hexane	5.70	57	1219825	9.880	ppbv	99
27) Carbon Disulfide	4.56	76	1914157	10.401	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	2076792	10.611	ppbv	100
29) Chloroform	5.77	83	2415848	9.635	ppbv	99
30) Cyclohexane	7.15	84	1333102	10.943	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1285484	10.785	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2353805	10.649	ppbv	100
34) 2-Butanone	5.26	43	1494325	10.115	ppbv	100
35) Carbon Tetrachloride	7.04	117	2441940	10.486	ppbv	99
36) Benzene	6.91	78	3028926	10.407	ppbv	100
37) 1,2-Dichloroethane	6.33	62	1492516	9.839	ppbv	100
38) Trichloroethene	7.86	130	1538825	10.599	ppbv	99
39) 1,2-Dichloropropane	7.64	63	1053356	9.985	ppbv	99
40) 1,4-Dioxane	7.85	88	472894	9.802	ppbv	86
41) Tetrahydrofuran	6.07	42	851673	11.443	ppbv	99
42) Bromodichloromethane	7.82	83	2512410	10.282	ppbv	100
43) Methyl Methacrylate	8.04	69	1288055	11.128	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4145838	9.927	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1438154	12.306	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1721628	11.951	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1484681	9.826	ppbv	99
48) Dibromochloromethane	10.34	129	2521024	10.963	ppbv	100
49) Bromoform	13.08	173	2251857	11.541	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2256019	10.455	ppbv	100
51) 2-Hexanone	10.16	43	1880161	10.815	ppbv	100
52) Tetrachloroethene	11.26	164	1444543	10.321	ppbv	99
53) Toluene	9.83	91	3814985	11.116	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2322101	10.263	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1941110	9.982	ppbv	99
57) Chlorobenzene	12.18	112	3235809	9.238	ppbv	98
58) Ethyl Benzene	12.74	91	4961230	10.659	ppbv	99
59) m/p-Xylene	13.03	91	8184949m	20.136	ppbv	
60) o-Xylene	13.73	91	4158937	10.114	ppbv	100
61) Styrene	13.56	104	3254845	11.448	ppbv	99
62) Isopropylbenzene	14.71	105	6281869	9.849	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	3042463	9.023	ppbv	100
64) n-propylbenzene	15.60	120	1927471	10.326	ppbv	100
65) tert-Butylbenzene	16.79	119	5799488	10.001	ppbv	99
66) Benzyl Chloride	17.03	91	2061297	11.733	ppbv	100
67) sec-Butylbenzene	17.34	105	7748078	9.676	ppbv	100
69) p-Isopropyltoluene	17.70	119	6524935	10.016	ppbv	99
70) n-Butylbenzene	18.59	91	6443113	9.604	ppbv	99
71) 2-Chlorotoluene	15.49	91	4781139	10.277	ppbv	100
72) 4-Ethyltoluene	15.88	105	5089950	10.449	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	4723491	10.262	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	4929022	9.499	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3286888	9.278	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3266327	9.646	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	3196559	9.553	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1747130	9.464	ppbv	99
79) Naphthalene	22.25	128	4715019	9.527	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1217534	10.430	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	2495922	9.731	ppbv	100

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

