

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035145.D
 Acq On : 6 Jul 2020 13:01
 Operator : SY/AP
 Sample : VL0706ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0706ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:00:31 PM

Quant Time: Jul 07 05:28:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1164932	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2783010	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2823870m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2289508	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1290183	8.202	ppbv	100
3) Chlorodifluoromethane	2.94	51	1268421	9.857	ppbv	98
4) Chloromethane	3.10	50	708619	9.823	ppbv	98
5) Vinyl Chloride	3.21	62	720059	10.496	ppbv	98
6) Bromomethane	3.43	94	456575	10.718	ppbv	92
7) Chloroethane	3.52	64	275715	10.658	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1682149	9.974	ppbv	98
9) Propene	2.97	41	506582	9.941	ppbv	100
10) Heptane	8.13	43	1466225	11.103	ppbv	100
11) Trichlorofluoromethane	3.92	101	1814271	10.796	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1292571	11.123	ppbv	100
13) Ethanol	3.57	45	143162	7.437	ppbv	99
14) Bromoethene	3.70	108	555741	11.095	ppbv	99
15) Acetone	3.82	43	1377807	9.783	ppbv	100
16) 1,3-Butadiene	3.29	39	656781	10.632	ppbv	98
17) tert-Butyl alcohol	4.26	59	1508420	12.085	ppbv	100
18) 1,1-Dichloroethene	4.26	96	598440	11.419	ppbv	98
19) Isopropyl Alcohol	3.94	45	994551	10.875	ppbv	100
20) Methylene Chloride	4.32	84	529703	9.293	ppbv	90
21) Allyl Chloride	4.38	41	957352	11.437	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	591035	12.054	ppbv	96
23) Vinyl Acetate	5.05	43	1915919	11.207	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1488437	10.327	ppbv	100
25) Ethyl Acetate	5.66	43	2546718	10.019	ppbv	100
26) Hexane	5.67	57	1151233	10.046	ppbv	98
27) Carbon Disulfide	4.52	76	1578745	13.312	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1785032	11.086	ppbv	100
29) Chloroform	5.74	83	1827259	10.189	ppbv	98
30) Cyclohexane	7.13	84	952411	11.580	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1154597	10.930	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1804876	10.851	ppbv	99
34) 2-Butanone	5.23	43	1618123	10.125	ppbv	100
35) Carbon Tetrachloride	7.02	117	1862872	11.161	ppbv	98
36) Benzene	6.89	78	2254946	10.464	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1410307	10.355	ppbv	99
38) Trichloroethene	7.84	130	897316	10.720	ppbv	98
39) 1,2-Dichloropropane	7.62	63	886772	10.521	ppbv	96
40) 1,4-Dioxane	7.84	88	340662	10.247	ppbv #	95
41) Tetrahydrofuran	6.04	42	873028	10.695	ppbv	99
42) Bromodichloromethane	7.80	83	1968667	11.161	ppbv	94
43) Methyl Methacrylate	8.02	69	1043572	11.440	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3900753	10.371	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1167755	13.154	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1379945	12.513	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	953534	10.366	ppbv	97
48) Dibromochloromethane	10.33	129	1627929	11.871	ppbv	99
49) Bromoform	13.07	173	1404732	12.058	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2428812	10.696	ppbv	99
51) 2-Hexanone	10.15	43	1959122	11.017	ppbv	98
52) Tetrachloroethene	11.25	164	818367	10.777	ppbv	94
53) Toluene	9.82	91	2669318	11.613	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1461791	10.732	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1238515	10.717	ppbv #	61
57) Chlorobenzene	12.18	112	2051109	9.871	ppbv	98
58) Ethyl Benzene	12.74	91	3592185	11.322	ppbv	97
59) m/p-Xylene	13.02	91	5983674m	21.280	ppbv	
60) o-Xylene	13.72	91	2960298	10.575	ppbv	100
61) Styrene	13.56	104	2109507	11.975	ppbv	100
62) Isopropylbenzene	14.70	105	4366295	10.452	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2075780	9.155	ppbv	99
64) n-propylbenzene	15.60	120	1134525	10.642	ppbv	96
65) tert-Butylbenzene	16.79	119	3785893	10.584	ppbv	100
66) Benzyl Chloride	17.03	91	1549941	14.027	ppbv	99
67) sec-Butylbenzene	17.34	105	5310508	10.358	ppbv	100
69) p-Isopropyltoluene	17.69	119	4399866	10.759	ppbv	100
70) n-Butylbenzene	18.59	91	4565767	10.365	ppbv	99
71) 2-Chlorotoluene	15.49	91	3369883	10.672	ppbv	99
72) 4-Ethyltoluene	15.88	105	3399003	10.915	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3226525	10.961	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	3336646	10.156	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1903902	9.710	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1901584	10.139	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1803836	10.054	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1468544m	9.106	ppbv	
79) Naphthalene	22.26	128	3226434	11.201	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1498644	13.607	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1710685	10.295	ppbv	99

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

