

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035894.D
 Acq On : 10 Nov 2020 17:50
 Operator : SY/AP
 Sample : VL1110ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 9:03:14 AM

Quant Time: Nov 11 01:32:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1148753	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4404639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4381437m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3208044	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1709895	7.906 ppbv	99
3) Chlorodifluoromethane	2.98	51	1270960	9.239 ppbv	99
4) Chloromethane	3.13	50	634007	9.487 ppbv	99
5) Vinyl Chloride	3.25	62	782877	9.190 ppbv	98
6) Bromomethane	3.46	94	640331	9.346 ppbv	99
7) Chloroethane	3.55	64	291321	9.716 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2248365	9.084 ppbv	98
9) Propene	3.00	41	473282	9.400 ppbv	99
10) Heptane	8.12	43	1373171	9.874 ppbv	99
11) Trichlorofluoromethane	3.94	101	2684688	9.886 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1965993	9.723 ppbv	100
13) Ethanol	3.59	45	76332	6.988 ppbv	96
14) Bromoethene	3.73	108	840548	9.033 ppbv	99
15) Acetone	3.84	43	1096292	8.927 ppbv	98
16) 1,3-Butadiene	3.31	39	504503	9.541 ppbv	98
17) tert-Butyl alcohol	4.28	59	1453083	8.928 ppbv	100
18) 1,1-Dichloroethene	4.28	96	882517	9.506 ppbv	95
19) Isopropyl Alcohol	3.96	45	685635	9.085 ppbv	99
20) Methylene Chloride	4.33	84	720326	8.332 ppbv	99
21) Allyl Chloride	4.40	41	652636	9.827 ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	912370	9.695 ppbv	98
23) Vinyl Acetate	5.07	43	1566117	9.097 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1541804	9.401 ppbv	99
25) Ethyl Acetate	5.67	43	2305680	9.530 ppbv	99
26) Hexane	5.68	57	1231186	9.227 ppbv	99
27) Carbon Disulfide	4.54	76	1902205	9.514 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2113512	8.821 ppbv	100
29) Chloroform	5.74	83	2437595	9.295 ppbv	97
30) Cyclohexane	7.12	84	1290617	8.881 ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1290110	9.399 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2402452	8.779 ppbv	99
34) 2-Butanone	5.24	43	1474495	10.315 ppbv	98
35) Carbon Tetrachloride	7.01	117	2392433	10.166 ppbv	98
36) Benzene	6.89	78	3056445	9.334 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1541674	10.392 ppbv	98
38) Trichloroethene	7.83	130	1431905	8.952 ppbv	99
39) 1,2-Dichloropropane	7.61	63	1077483	9.773 ppbv	99
40) 1,4-Dioxane	7.83	88	483726	9.258 ppbv	90
41) Tetrahydrofuran	6.04	42	865401	10.656 ppbv	98
42) Bromodichloromethane	7.79	83	2485987	9.931 ppbv	99
43) Methyl Methacrylate	8.01	69	1249785	10.006 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4210140	9.716	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1336519	10.094	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1671860	9.970	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1414201	9.414	ppbv	99
48) Dibromochloromethane	10.30	129	2349495	10.238	ppbv	100
49) Bromoform	13.04	173	1974566	10.196	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2298362	10.515	ppbv	98
51) 2-Hexanone	10.13	43	1860816	10.597	ppbv	98
52) Tetrachloroethene	11.22	164	1337334	8.620	ppbv	99
53) Toluene	9.80	91	3713956	9.400	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2161492	9.461	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1816454	9.237	ppbv #	93
57) Chlorobenzene	12.15	112	3022945	8.677	ppbv	100
58) Ethyl Benzene	12.71	91	4808993	9.012	ppbv	100
59) m/p-Xylene	13.00	91	8143823m	18.038	ppbv	
60) o-Xylene	13.69	91	3978509	9.059	ppbv	99
61) Styrene	13.53	104	2962807	9.207	ppbv	99
62) Isopropylbenzene	14.67	105	5995322	8.685	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2801670	8.233	ppbv	100
64) n-propylbenzene	15.56	120	1745717	8.749	ppbv	97
65) tert-Butylbenzene	16.74	119	5326935	8.478	ppbv	99
66) Benzyl Chloride	16.99	91	1782320	8.582	ppbv	99
67) sec-Butylbenzene	17.29	105	7218315	8.525	ppbv	99
69) p-Isopropyltoluene	17.65	119	5946561	8.510	ppbv	100
70) n-Butylbenzene	18.55	91	5791061	8.606	ppbv	100
71) 2-Chlorotoluene	15.46	91	4448194	8.810	ppbv	99
72) 4-Ethyltoluene	15.84	105	4693960	8.812	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4318288	8.859	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4468987	8.556	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	2798576	8.415	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2713086	8.457	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2706369	8.348	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1294987	8.561	ppbv	99
79) Naphthalene	22.20	128	3043419	8.358	ppbv	99
80) Naphthalene,2-methyl-	24.98	142	517543	8.722	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	1655406	8.137	ppbv	98

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

