

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035177.D
 Acq On : 8 Jul 2020 9:55
 Operator : SY/AP
 Sample : VL0708ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:44 PM

Quant Time: Jul 08 13:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1297340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3085878	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3029397m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2389545	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1623269	8.928	ppbv 99
3) Chlorodifluoromethane	2.94	51	1258427	8.782	ppbv 100
4) Chloromethane	3.10	50	710495	8.797	ppbv 96
5) Vinyl Chloride	3.21	62	733044	8.493	ppbv 98
6) Bromomethane	3.43	94	462908	9.450	ppbv 94
7) Chloroethane	3.52	64	281611	9.230	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1709621	8.579	ppbv 99
9) Propene	2.96	41	507728	9.375	ppbv 97
10) Heptane	8.13	43	1426117	10.257	ppbv 98
11) Trichlorofluoromethane	3.91	101	1807888	8.805	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1274791	8.841	ppbv 99
13) Ethanol	3.56	45	126229m	7.321	ppbv
14) Bromoethene	3.70	108	555357	9.358	ppbv 99
15) Acetone	3.81	43	1374796	7.827	ppbv 99
16) 1,3-Butadiene	3.28	39	655985	9.730	ppbv 98
17) tert-Butyl alcohol	4.26	59	1564052	10.064	ppbv 99
18) 1,1-Dichloroethene	4.26	96	584387	9.153	ppbv 96
19) Isopropyl Alcohol	3.93	45	1026641	9.689	ppbv 99
20) Methylene Chloride	4.31	84	563774	7.377	ppbv 97
21) Allyl Chloride	4.38	41	968572	9.474	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	582167	9.134	ppbv 97
23) Vinyl Acetate	5.05	43	1900066	9.994	ppbv 97
24) 1,1-Dichloroethane	4.99	63	1482610	9.081	ppbv 98
25) Ethyl Acetate	5.66	43	2559764	9.391	ppbv 100
26) Hexane	5.67	57	1153057	9.595	ppbv 100
27) Carbon Disulfide	4.52	76	1568714	9.348	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1773000	9.683	ppbv 100
29) Chloroform	5.74	83	1825101	9.058	ppbv 99
30) Cyclohexane	7.13	84	947403	10.654	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1138842	10.018	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	1796794	8.898	ppbv 100
34) 2-Butanone	5.22	43	1571826	9.543	ppbv 99
35) Carbon Tetrachloride	7.01	117	1868573	9.328	ppbv 99
36) Benzene	6.89	78	2232565	9.996	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1417516	9.457	ppbv 99
38) Trichloroethene	7.84	130	909216	9.991	ppbv 96
39) 1,2-Dichloropropane	7.62	63	881024	9.919	ppbv 95
40) 1,4-Dioxane	7.83	88	349894m	9.895	ppbv
41) Tetrahydrofuran	6.03	42	874830	10.615	ppbv 100
42) Bromodichloromethane	7.80	83	1947051	9.728	ppbv 99
43) Methyl Methacrylate	8.02	69	1034897	10.961	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3880860	10.067	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1154252	11.637	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1365312	11.611	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	955872	9.832	ppbv	97
48) Dibromochloromethane	10.32	129	1630215	10.306	ppbv	100
49) Bromoform	13.07	173	1436743	10.383	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2418154	10.230	ppbv	100
51) 2-Hexanone	10.15	43	1955801	10.851	ppbv #	100
52) Tetrachloroethene	11.25	164	799870	9.589	ppbv	95
53) Toluene	9.82	91	2610175	11.074	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1442633	9.999	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.15	131	1243353	9.264	ppbv #	56
57) Chlorobenzene	12.17	112	2033491	9.108	ppbv	98
58) Ethyl Benzene	12.74	91	3539927	10.572	ppbv	98
59) m/p-Xylene	13.02	91	5957095m	19.962	ppbv	
60) o-Xylene	13.72	91	2963411	9.953	ppbv	99
61) Styrene	13.55	104	2102535	11.428	ppbv	99
62) Isopropylbenzene	14.70	105	4343682	9.843	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2113829	8.496	ppbv	99
64) n-propylbenzene	15.60	120	1158477	10.162	ppbv	99
65) tert-Butylbenzene	16.78	119	3909266	9.863	ppbv	99
66) Benzyl Chloride	17.03	91	1511391	10.703	ppbv	100
67) sec-Butylbenzene	17.33	105	5559728	9.622	ppbv	100
69) p-Isopropyltoluene	17.69	119	4587557	10.129	ppbv	99
70) n-Butylbenzene	18.59	91	4733478	9.857	ppbv	100
71) 2-Chlorotoluene	15.49	91	3371757	10.097	ppbv	100
72) 4-Ethyltoluene	15.88	105	3464142	10.326	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3275301	10.124	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3459594	9.677	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1952588	8.624	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1950453	9.270	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1843259	9.042	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1382292	8.581	ppbv	99
79) Naphthalene	22.26	128	2889415	12.490	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1058791	19.375	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1586868	10.828	ppbv	99

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

