

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036194.D
 Acq On : 23 Dec 2020 15:10
 Operator : SY/AP
 Sample : VL1223ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2020 1:36:05 PM

Quant Time: Dec 24 05:40:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1225721	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2495698	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2438671m	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2094078	10.81	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1397360	9.782	ppbv	99
3) Chlorodifluoromethane	2.96	51	1504679	10.759	ppbv	98
4) Chloromethane	3.12	50	693057	10.094	ppbv	98
5) Vinyl Chloride	3.23	62	675095	8.838	ppbv	99
6) Bromomethane	3.45	94	345624	8.769	ppbv	91
7) Chloroethane	3.53	64	235848	9.064	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1632457	10.283	ppbv	88
9) Propene	2.99	41	646771	9.232	ppbv	100
10) Heptane	8.10	43	1696775	9.483	ppbv	99
11) Trichlorofluoromethane	3.92	101	1766906	10.521	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1100035	9.645	ppbv	92
13) Ethanol	3.58	45	95585m	9.897	ppbv	
14) Bromoethene	3.72	108	435571	9.309	ppbv	96
15) Acetone	3.83	43	1404756	9.536	ppbv	98
16) 1,3-Butadiene	3.30	39	687609	9.268	ppbv	98
17) tert-Butyl alcohol	4.27	59	1334991	9.356	ppbv	98
18) 1,1-Dichloroethene	4.26	96	480302	9.485	ppbv	98
19) Isopropyl Alcohol	3.95	45	828485	9.201	ppbv #	100
20) Methylene Chloride	4.32	84	427605	7.083	ppbv	91
21) Allyl Chloride	4.39	41	876141	8.945	ppbv	88
22) trans-1,2-Dichloroethene	4.86	96	464536	9.162	ppbv	99
23) Vinyl Acetate	5.05	43	1858512	9.476	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1300536	9.428	ppbv	98
25) Ethyl Acetate	5.65	43	2922251	9.930	ppbv	99
26) Hexane	5.66	57	1182888	8.931	ppbv	99
27) Carbon Disulfide	4.52	76	1240433	9.423	ppbv	94
28) Methyl tert-Butyl Ether	5.01	73	1719847	9.133	ppbv	98
29) Chloroform	5.73	83	1840201	10.580	ppbv	98
30) Cyclohexane	7.10	84	922928	9.486	ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	1232901	10.240	ppbv	92
32) 1,1,1-Trichloroethane	6.49	97	1822773	10.156	ppbv	97
34) 2-Butanone	5.22	43	1795223	10.844	ppbv	98
35) Carbon Tetrachloride	6.99	117	1732309	11.903	ppbv	99
36) Benzene	6.87	78	2316716	10.953	ppbv	97
37) 1,2-Dichloroethane	6.28	62	1611242	13.147	ppbv #	96
38) Trichloroethene	7.81	130	718359	9.086	ppbv	91
39) 1,2-Dichloropropane	7.59	63	969671	11.609	ppbv	91
40) 1,4-Dioxane	7.81	88	274790	10.460	ppbv #	48
41) Tetrahydrofuran	6.02	42	1048043	10.657	ppbv	98
42) Bromodichloromethane	7.77	83	2032123	12.443	ppbv	99
43) Methyl Methacrylate	7.99	69	1055919	11.637	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4143190	10.817	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1168038	12.530	ppbv	96
46) cis-1,3-Dichloropropene	8.68	75	1384044	11.846	ppbv	95
47) 1,1,2-Trichloroethane	9.45	97	889839	11.073	ppbv	97
48) Dibromochloromethane	10.28	129	1415085	11.661	ppbv	99
49) Bromoform	13.02	173	1134401	11.877	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2799072	11.338	ppbv	100
51) 2-Hexanone	10.11	43	2337123	12.111	ppbv	96
52) Tetrachloroethene	11.20	164	673490	8.796	ppbv	92
53) Toluene	9.78	91	2538907	10.690	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1339261	11.118	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	1057933	10.462	ppbv	95
57) Chlorobenzene	12.13	112	1730637	10.109	ppbv	94
58) Ethyl Benzene	12.69	91	3542756	10.601	ppbv	98
59) m/p-Xylene	12.97	91	6053468m	21.505	ppbv	
60) o-Xylene	13.67	91	2806510	10.582	ppbv	95
61) Styrene	13.51	104	1890892	11.105	ppbv	95
62) Isopropylbenzene	14.65	105	4031909	10.256	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	1938775	10.855	ppbv	99
64) n-propylbenzene	15.54	120	969268	10.248	ppbv	82
65) tert-Butylbenzene	16.73	119	3347078	10.402	ppbv	90
66) Benzyl Chloride	16.97	91	1121684	14.000	ppbv	94
67) sec-Butylbenzene	17.28	105	4886834	10.852	ppbv	96
69) p-Isopropyltoluene	17.64	119	3831951	10.698	ppbv	95
70) n-Butylbenzene	18.53	91	4367642	12.337	ppbv	98
71) 2-Chlorotoluene	15.43	91	3313636	11.151	ppbv	94
72) 4-Ethyltoluene	15.82	105	3052854	10.627	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	2974712	10.842	ppbv	94
74) 1,2,4-Trimethylbenzene	16.74	105	3005097	10.911	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	1475457	10.702	ppbv	97
76) 1,4-Dichlorobenzene	17.12	146	1423457	10.141	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	1422383	10.805	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	923336m	8.752	ppbv	
79) Naphthalene	22.18	128	1760546	12.575	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	558452	17.839	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	886117	9.474	ppbv #	100

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

