

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035392.D
 Acq On : 12 Aug 2020 22:55
 Operator : SY/AP
 Sample : VL0812ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:44:08 PM

Quant Time: Aug 13 11:43:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 13 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1395797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3324418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3269577m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2709614	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1547309	9.205	ppbv 98
3) Chlorodifluoromethane	2.98	51	1486116	9.158	ppbv 97
4) Chloromethane	3.13	50	817172	9.011	ppbv 100
5) Vinyl Chloride	3.25	62	792411	8.840	ppbv 100
6) Bromomethane	3.47	94	464692	9.349	ppbv 94
7) Chloroethane	3.55	64	284710	9.005	ppbv 91
8) Dichlorotetrafluoroethane	3.18	85	1736849	8.901	ppbv 98
9) Propene	3.00	41	715553	8.512	ppbv 100
10) Heptane	8.13	43	1881213	8.639	ppbv 100
11) Trichlorofluoromethane	3.95	101	1861629	9.132	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1242598	8.957	ppbv 97
13) Ethanol	3.60	45	180256	6.539	ppbv 98
14) Bromoethene	3.74	108	570180	9.199	ppbv 98
15) Acetone	3.85	43	1402545	7.978	ppbv 99
16) 1,3-Butadiene	3.32	39	749299	8.301	ppbv 99
17) tert-Butyl alcohol	4.29	59	1811103	8.832	ppbv 100
18) 1,1-Dichloroethene	4.29	96	583939	9.188	ppbv 98
19) Isopropyl Alcohol	3.97	45	1195880	8.717	ppbv 100
20) Methylene Chloride	4.34	84	510692	7.693	ppbv 97
21) Allyl Chloride	4.41	41	1015663	8.799	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	594386	9.310	ppbv 94
23) Vinyl Acetate	5.08	43	2423550	8.635	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1650868	8.932	ppbv 100
25) Ethyl Acetate	5.68	43	3053188	8.414	ppbv 99
26) Hexane	5.69	57	1340459	8.442	ppbv 99
27) Carbon Disulfide	4.55	76	1545701	9.118	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2274757	8.677	ppbv 99
29) Chloroform	5.76	83	2080709	9.182	ppbv 98
30) Cyclohexane	7.14	84	1162745	8.884	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1434301	9.110	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	2110282	8.537	ppbv 100
34) 2-Butanone	5.25	43	2080259	8.781	ppbv 99
35) Carbon Tetrachloride	7.03	117	2071242	8.963	ppbv 99
36) Benzene	6.90	78	2821693	8.851	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1656856	9.363	ppbv 99
38) Trichloroethene	7.84	130	996708	7.978	ppbv 97
39) 1,2-Dichloropropane	7.63	63	1122634	8.893	ppbv 95
40) 1,4-Dioxane	7.84	88	454059	8.832	ppbv 93
41) Tetrahydrofuran	6.05	42	1238564	8.763	ppbv 98
42) Bromodichloromethane	7.80	83	2295941	9.211	ppbv 98
43) Methyl Methacrylate	8.02	69	1279194	9.045	ppbv 99

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44) 2,2,4-Trimethylpentane	7.88	57	4659971	8.497	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1547547	9.431	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1756402	9.164	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1158889	9.052	ppbv	97
48) Dibromochloromethane	10.32	129	1873304	9.154	ppbv	99
49) Bromoform	13.06	173	1575212	9.390	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3087461	8.647	ppbv	100
51) 2-Hexanone	10.15	43	2637528	8.774	ppbv #	99
52) Tetrachloroethene	11.24	164	908713	8.039	ppbv	98
53) Toluene	9.82	91	3291818	8.699	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1818606	8.969	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1406952	8.856	ppbv	97
57) Chlorobenzene	12.17	112	2385599	8.559	ppbv	97
58) Ethyl Benzene	12.73	91	4473804	8.657	ppbv	98
59) m/p-Xylene	13.02	91	7187397m	16.679	ppbv	
60) o-Xylene	13.72	91	3551235	8.510	ppbv	99
61) Styrene	13.55	104	2708438	8.792	ppbv	99
62) Isopropylbenzene	14.69	105	5300441	8.468	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2502893	8.223	ppbv	99
64) n-propylbenzene	15.59	120	1419518	8.597	ppbv	94
65) tert-Butylbenzene	16.77	119	4545793	8.250	ppbv	98
66) Benzyl Chloride	17.01	91	2119654	8.517	ppbv	99
67) sec-Butylbenzene	17.32	105	6604918	8.315	ppbv	99
69) p-Isopropyltoluene	17.68	119	5514657	8.329	ppbv	99
70) n-Butylbenzene	18.57	91	6163317	8.407	ppbv	99
71) 2-Chlorotoluene	15.48	91	4375479	8.684	ppbv	98
72) 4-Ethyltoluene	15.86	105	4355069	8.550	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4136017	8.660	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4133370	8.229	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	2282945	8.329	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	2389202	8.486	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2328898	8.427	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1798237	7.891	ppbv	99
79) Naphthalene	22.23	128	5033026	8.046	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	2288358	7.855	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2356737	7.959	ppbv	99

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

