

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035390.D
 Acq On : 12 Aug 2020 20:17
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:44:02 PM

Quant Time: Aug 13 11:42:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 13 11:42:02 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	1391599	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3338216	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3304889m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2694236	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1603790	9.570	ppbv	99
3) Chlorodifluoromethane	2.98	51	1483946	9.172	ppbv	98
4) Chloromethane	3.13	50	831186	9.193	ppbv	99
5) Vinyl Chloride	3.25	62	787556	8.813	ppbv	98
6) Bromomethane	3.47	94	460307	9.289	ppbv	99
7) Chloroethane	3.55	64	284705	9.032	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1749985	8.996	ppbv	98
9) Propene	3.01	41	718138	8.568	ppbv	99
10) Heptane	8.13	43	1892834	8.719	ppbv	99
11) Trichlorofluoromethane	3.95	101	1845246	9.079	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1238224	8.953	ppbv	97
13) Ethanol	3.60	45	187544	6.824	ppbv	99
14) Bromoethene	3.74	108	571946	9.256	ppbv	99
15) Acetone	3.85	43	1401688	7.997	ppbv	98
16) 1,3-Butadiene	3.32	39	755626	8.396	ppbv	99
17) tert-Butyl alcohol	4.29	59	1845926	9.029	ppbv	99
18) 1,1-Dichloroethene	4.29	96	576250	9.094	ppbv	98
19) Isopropyl Alcohol	3.97	45	1212312	8.863	ppbv	98
20) Methylene Chloride	4.34	84	516637	7.806	ppbv	96
21) Allyl Chloride	4.41	41	1019318	8.857	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	591525	9.293	ppbv	94
23) Vinyl Acetate	5.08	43	2479470	8.861	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1652221	8.967	ppbv	99
25) Ethyl Acetate	5.68	43	3049954	8.431	ppbv	99
26) Hexane	5.69	57	1335739	8.438	ppbv	100
27) Carbon Disulfide	4.55	76	1551122	9.178	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2281430	8.728	ppbv	99
29) Chloroform	5.76	83	2054138	9.092	ppbv	98
30) Cyclohexane	7.14	84	1153759	8.842	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1430658	9.114	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2100516	8.524	ppbv	100
34) 2-Butanone	5.25	43	2059722	8.658	ppbv	99
35) Carbon Tetrachloride	7.03	117	2073504	8.936	ppbv	98
36) Benzene	6.90	78	2808562	8.773	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1627626	9.160	ppbv	100
38) Trichloroethene	7.85	130	998320	7.958	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1117579	8.817	ppbv	97
40) 1,4-Dioxane	7.84	88	461107	8.932	ppbv	90
41) Tetrahydrofuran	6.05	42	1242218	8.753	ppbv	99
42) Bromodichloromethane	7.81	83	2297608	9.179	ppbv	99
43) Methyl Methacrylate	8.03	69	1286972	9.063	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4646349	8.438	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1529380	9.282	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1750615	9.096	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1162096	9.039	ppbv	93
48) Dibromochloromethane	10.32	129	1882642	9.162	ppbv	100
49) Bromoform	13.07	173	1580808	9.384	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	3077738	8.584	ppbv	100
51) 2-Hexanone	10.15	43	2632475	8.721	ppbv	100
52) Tetrachloroethene	11.24	164	910485	8.021	ppbv	97
53) Toluene	9.83	91	3281779	8.637	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1799835	8.840	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1396270	8.695	ppbv	97
57) Chlorobenzene	12.17	112	2392872	8.493	ppbv	99
58) Ethyl Benzene	12.73	91	4460556	8.539	ppbv	100
59) m/p-Xylene	13.02	91	7185427m	16.496	ppbv	
60) o-Xylene	13.72	91	3544484	8.403	ppbv	99
61) Styrene	13.55	104	2706056	8.690	ppbv	99
62) Isopropylbenzene	14.69	105	5273532	8.335	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2486976	8.083	ppbv	100
64) n-propylbenzene	15.59	120	1417045	8.490	ppbv	94
65) tert-Butylbenzene	16.77	119	4515490	8.107	ppbv	98
66) Benzyl Chloride	17.01	91	2179418	8.664	ppbv	99
67) sec-Butylbenzene	17.32	105	6568984	8.181	ppbv	99
69) p-Isopropyltoluene	17.68	119	5520962	8.249	ppbv	99
70) n-Butylbenzene	18.58	91	6110372	8.246	ppbv	99
71) 2-Chlorotoluene	15.48	91	4327824	8.497	ppbv	99
72) 4-Ethyltoluene	15.86	105	4358868	8.466	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4122577	8.540	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	4118754	8.113	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2267549	8.184	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	2369756	8.327	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2333097	8.352	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1799004	7.810	ppbv	99
79) Naphthalene	22.24	128	5036785m	7.966	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	2301206	7.815	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2375959m	7.938	ppbv	

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

