

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035399.D
 Acq On : 13 Aug 2020 9:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

sam
 8/18/2020 5:51:46 PM

Quant Time: Aug 15 14:57:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 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	5.66	49	1427465	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3390235	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3169934m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2757292	10.77	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1561189	9.081 ppbv	97
3) Chlorodifluoromethane	2.98	51	1558448	9.390 ppbv	99
4) Chloromethane	3.13	50	861525	9.289 ppbv	96
5) Vinyl Chloride	3.25	62	814074	8.881 ppbv	97
6) Bromomethane	3.46	94	483060	9.503 ppbv	96
7) Chloroethane	3.55	64	297327	9.195 ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1786269	8.951 ppbv	97
9) Propene	3.00	41	748075	8.701 ppbv	99
10) Heptane	8.13	43	1936453	8.696 ppbv	99
11) Trichlorofluoromethane	3.94	101	1927802	9.247 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1281187	9.031 ppbv	97
13) Ethanol	3.60	45	202283	7.175 ppbv	99
14) Bromoethene	3.73	108	580157	9.153 ppbv	98
15) Acetone	3.84	43	1458414	8.112 ppbv	99
16) 1,3-Butadiene	3.32	39	776629	8.413 ppbv	99
17) tert-Butyl alcohol	4.29	59	1777670	8.477 ppbv	99
18) 1,1-Dichloroethene	4.28	96	590093	9.079 ppbv	94
19) Isopropyl Alcohol	3.96	45	1199835	8.551 ppbv	# 45
20) Methylene Chloride	4.34	84	551115	8.118 ppbv	96
21) Allyl Chloride	4.40	41	1043591	8.840 ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	604071	9.251 ppbv	92
23) Vinyl Acetate	5.07	43	2536148	8.836 ppbv	100
24) 1,1-Dichloroethane	5.01	63	1711382	9.054 ppbv	100
25) Ethyl Acetate	5.68	43	3148406	8.484 ppbv	99
26) Hexane	5.69	57	1383137	8.518 ppbv	99
27) Carbon Disulfide	4.54	76	1577155	9.098 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2319850	8.652 ppbv	99
29) Chloroform	5.75	83	2176067	9.390 ppbv	99
30) Cyclohexane	7.13	84	1193631	8.918 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1487285	9.237 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2198566	8.697 ppbv	100
34) 2-Butanone	5.24	43	2177458	9.013 ppbv	100
35) Carbon Tetrachloride	7.02	117	2150305	9.124 ppbv	96
36) Benzene	6.89	78	2882707	8.867 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1736786	9.624 ppbv	99
38) Trichloroethene	7.84	130	1017474	7.986 ppbv	97
39) 1,2-Dichloropropane	7.62	63	1160768	9.017 ppbv	98
40) 1,4-Dioxane	7.83	88	457420	8.724 ppbv	96
41) Tetrahydrofuran	6.05	42	1274670	8.843 ppbv	99
42) Bromodichloromethane	7.80	83	2397442	9.431 ppbv	100
43) Methyl Methacrylate	8.02	69	1324259	9.182 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4788383	8.562	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1592931	9.519	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1802449	9.222	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1207232	9.246	ppbv	94
48) Dibromochloromethane	10.32	129	1908085	9.143	ppbv	100
49) Bromoform	13.06	173	1585715	9.269	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3182674	8.741	ppbv	100
51) 2-Hexanone	10.14	43	2726530	8.894	ppbv #	99
52) Tetrachloroethene	11.23	164	909528	7.890	ppbv	98
53) Toluene	9.82	91	3376181	8.749	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1841581	8.906	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1419508	9.216	ppbv	96
57) Chlorobenzene	12.16	112	2430846	8.995	ppbv	97
58) Ethyl Benzene	12.73	91	4565235	9.112	ppbv	98
59) m/p-Xylene	13.01	91	7315773m	17.510	ppbv	
60) o-Xylene	13.71	91	3612798	8.930	ppbv	98
61) Styrene	13.55	104	2753062	9.217	ppbv	99
62) Isopropylbenzene	14.69	105	5335901	8.793	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	2550409	8.642	ppbv	99
64) n-propylbenzene	15.58	120	1419587	8.868	ppbv	92
65) tert-Butylbenzene	16.76	119	4530684	8.481	ppbv	97
66) Benzyl Chloride	17.01	91	2192764	9.088	ppbv	98
67) sec-Butylbenzene	17.32	105	6584436	8.550	ppbv	99
69) p-Isopropyltoluene	17.67	119	5436873	8.469	ppbv	98
70) n-Butylbenzene	18.57	91	6116872	8.606	ppbv	99
71) 2-Chlorotoluene	15.47	91	4395611	8.998	ppbv	98
72) 4-Ethyltoluene	15.86	105	4393211	8.896	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4118602	8.895	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	4121231	8.463	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2246730	8.454	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2352856	8.619	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2302937	8.595	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1768137	8.003	ppbv	100
79) Naphthalene	22.22	128	5041190	8.312	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2291474	8.113	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2326489	8.104	ppbv	99

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

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