

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035093.D
 Acq On : 22 May 2020 20:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 23 02:48:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1020200	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2403913	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.11	117	2449543m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1955627	9.86	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1452520	10.032	ppbv 100
3) Chlorodifluoromethane	2.94	51	1204764	10.343	ppbv 100
4) Chloromethane	3.10	50	693061	10.383	ppbv 98
5) Vinyl Chloride	3.21	62	685685	10.530	ppbv 99
6) Bromomethane	3.43	94	421889	10.851	ppbv 93
7) Chloroethane	3.52	64	255578	10.928	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1601236	10.686	ppbv 99
9) Propene	2.96	41	506542	10.022	ppbv 99
10) Heptane	8.13	43	1434870	11.332	ppbv 100
11) Trichlorofluoromethane	3.92	101	1654493	11.082	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1161576	10.927	ppbv 98
13) Ethanol	3.57	45	141427m	8.480	ppbv
14) Bromoethene	3.70	108	508087	11.565	ppbv 99
15) Acetone	3.81	43	1293109	9.587	ppbv 100
16) 1,3-Butadiene	3.28	39	640171	11.029	ppbv 99
17) tert-Butyl alcohol	4.26	59	943736	7.864	ppbv 99
18) 1,1-Dichloroethene	4.26	96	526971	11.426	ppbv 94
19) Isopropyl Alcohol	3.93	45	814741	9.058	ppbv # 98
20) Methylene Chloride	4.31	84	466265	10.443	ppbv 94
21) Allyl Chloride	4.38	41	864786	11.351	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	502416	10.997	ppbv 95
23) Vinyl Acetate	5.05	43	1873221	10.953	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1412041	10.719	ppbv 99
25) Ethyl Acetate	5.66	43	2429735	10.725	ppbv 100
26) Hexane	5.67	57	1113877	11.341	ppbv 97
27) Carbon Disulfide	4.52	76	1299559	11.226	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1555411	10.398	ppbv 99
29) Chloroform	5.74	83	1715732	10.676	ppbv 97
30) Cyclohexane	7.13	84	915351	12.077	ppbv 97
31) cis-1,2-Dichloroethene	5.53	61	1100754	11.486	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	1638631	11.291	ppbv 100
34) 2-Butanone	5.22	43	1594066	10.669	ppbv 99
35) Carbon Tetrachloride	7.02	117	1709027	11.264	ppbv 98
36) Benzene	6.89	78	2185315	11.026	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1338855	10.951	ppbv 100
38) Trichloroethene	7.84	130	844325	10.996	ppbv 95
39) 1,2-Dichloropropane	7.62	63	861771	10.847	ppbv 96
40) 1,4-Dioxane	7.83	88	277192	8.583	ppbv # 1
41) Tetrahydrofuran	6.04	42	867411	11.027	ppbv 98
42) Bromodichloromethane	7.80	83	1844941	11.189	ppbv 97
43) Methyl Methacrylate	8.02	69	952788	11.385	ppbv 99

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44) 2,2,4-Trimethylpentane	7.87	57	3782392	10.734	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1020300	12.081	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1243345	11.991	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	922087	10.998	ppbv	98
48) Dibromochloromethane	10.32	129	1502859	11.656	ppbv	98
49) Bromoform	13.07	173	1333543	12.021	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2396087	11.247	ppbv	100
51) 2-Hexanone	10.14	43	1993917	11.965	ppbv #	100
52) Tetrachloroethene	11.24	164	793473	11.259	ppbv	96
53) Toluene	9.83	91	2518186	11.986	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1378224	11.194	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1113642m	10.081	ppbv	
57) Chlorobenzene	12.17	112	1934572	9.969	ppbv	98
58) Ethyl Benzene	12.74	91	3433802	11.336	ppbv	100
59) m/p-Xylene	13.02	91	5643148m	21.174	ppbv	
60) o-Xylene	13.72	91	2837673	10.790	ppbv	100
61) Styrene	13.55	104	1967435	11.822	ppbv	99
62) Isopropylbenzene	14.70	105	4009314	10.211	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2089439	10.093	ppbv	100
64) n-propylbenzene	15.60	120	1029007	10.217	ppbv	95
65) tert-Butylbenzene	16.78	119	3494296	10.261	ppbv	99
66) Benzyl Chloride	17.03	91	1171857	10.136	ppbv	97
67) sec-Butylbenzene	17.33	105	4960637	10.205	ppbv	99
69) p-Isopropyltoluene	17.69	119	4065878	10.339	ppbv	100
70) n-Butylbenzene	18.59	91	4293940	10.258	ppbv	99
71) 2-Chlorotoluene	15.49	91	3121216	10.531	ppbv	99
72) 4-Ethyltoluene	15.87	105	3284879	11.196	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3140934	11.001	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3230865	10.366	ppbv	95
75) 1,3-Dichlorobenzene	17.04	146	1820735	9.949	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1810715	10.413	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1789391	10.377	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1400801	9.530	ppbv	99
79) Naphthalene	22.25	128	2713188	11.179	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	754807	12.652	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1514781	10.292	ppbv	99

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

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