

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035207.D
 Acq On : 16 Jul 2020 23:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jul 17 07:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1203024	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2823108	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2940902	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2211317	9.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	2.99	85	1314702	7.798	ppbv 97
3) Chlorodifluoromethane	2.93	51	1217107	9.159	ppbv 100
4) Chloromethane	3.08	50	690591	9.221	ppbv 98
5) Vinyl Chloride	3.20	62	704929	8.808	ppbv 99
6) Bromomethane	3.42	94	437422	9.630	ppbv 96
7) Chloroethane	3.50	64	261680	9.249	ppbv 95
8) Dichlorotetrafluoroethane	3.13	85	1631718	8.830	ppbv 99
9) Propene	2.95	41	474984	9.458	ppbv 97
10) Heptane	8.11	43	1396613	10.833	ppbv 99
11) Trichlorofluoromethane	3.90	101	1739862	9.138	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.44	101	1222615	9.144	ppbv 98
13) Ethanol	3.55	45	122655	7.671	ppbv 89
14) Bromoethene	3.68	108	537576	9.769	ppbv 98
15) Acetone	3.80	43	1342492	8.243	ppbv 100
16) 1,3-Butadiene	3.27	39	624579	9.990	ppbv 99
17) tert-Butyl alcohol	4.24	59	1427320	9.905	ppbv 99
18) 1,1-Dichloroethene	4.24	96	553012	9.341	ppbv 97
19) Isopropyl Alcohol	3.92	45	947433	9.642	ppbv 99
20) Methylene Chloride	4.30	84	539500	7.613	ppbv 97
21) Allyl Chloride	4.37	41	917614	9.680	ppbv 100
22) trans-1,2-Dichloroethene	4.84	96	546042	9.238	ppbv 98
23) Vinyl Acetate	5.03	43	1770929	10.045	ppbv 98
24) 1,1-Dichloroethane	4.97	63	1413900	9.339	ppbv 100
25) Ethyl Acetate	5.65	43	2465066	9.753	ppbv 99
26) Hexane	5.65	57	1106067	9.925	ppbv 99
27) Carbon Disulfide	4.50	76	1531010	9.838	ppbv 100
28) Methyl tert-Butyl Ether	4.99	73	1655273	9.749	ppbv 99
29) Chloroform	5.72	83	1751971	9.377	ppbv 95
30) Cyclohexane	7.11	84	904540	10.970	ppbv 99
31) cis-1,2-Dichloroethene	5.52	61	1069006	10.141	ppbv 97
32) 1,1,1-Trichloroethane	6.49	97	1713109	9.149	ppbv 99
34) 2-Butanone	5.21	43	1497013	9.935	ppbv 100
35) Carbon Tetrachloride	7.00	117	1822097	9.943	ppbv 98
36) Benzene	6.87	78	2126941	10.410	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1351843	9.859	ppbv 99
38) Trichloroethene	7.83	130	884501	10.624	ppbv 98
39) 1,2-Dichloropropane	7.60	63	839408	10.330	ppbv 99
40) 1,4-Dioxane	7.82	88	322571	9.972	ppbv 85
41) Tetrahydrofuran	6.02	42	822242	10.906	ppbv 100
42) Bromodichloromethane	7.78	83	1873733	10.233	ppbv 98
43) Methyl Methacrylate	8.00	69	972761	11.262	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3776037	10.706	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1109914	12.231	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1295228	12.040	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	920266	10.347	ppbv	98
48) Dibromochloromethane	10.31	129	1583672	10.944	ppbv	100
49) Bromoform	13.06	173	1388955	10.972	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2363541	10.929	ppbv	99
51) 2-Hexanone	10.13	43	1907007	11.565	ppbv #	99
52) Tetrachloroethene	11.23	164	787713	10.322	ppbv	99
53) Toluene	9.80	91	2528429	11.725	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1415146	10.721	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1208644	9.276	ppbv #	93
57) Chlorobenzene	12.16	112	1990571	9.184	ppbv	97
58) Ethyl Benzene	12.72	91	3428046	10.546	ppbv	100
59) m/p-Xylene	13.01	91	5839568m	20.157	ppbv	
60) o-Xylene	13.71	91	2901019	10.037	ppbv	100
61) Styrene	13.54	104	2021835	11.320	ppbv	99
62) Isopropylbenzene	14.68	105	4242367	9.902	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2067434	8.560	ppbv	100
64) n-propylbenzene	15.57	120	1119268	10.113	ppbv	99
65) tert-Butylbenzene	16.76	119	3786343	9.840	ppbv	100
66) Benzyl Chloride	17.01	91	1521402	11.098	ppbv	100
67) sec-Butylbenzene	17.32	105	5423206	9.668	ppbv	100
69) p-Isopropyltoluene	17.67	119	4457026	10.137	ppbv	100
70) n-Butylbenzene	18.57	91	4626346	9.924	ppbv	100
71) 2-Chlorotoluene	15.47	91	3291200	10.152	ppbv	100
72) 4-Ethyltoluene	15.85	105	3358413	10.312	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3197518	10.181	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	3318715	9.562	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	1888599	8.593	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	1891664	9.261	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	1823205	9.213	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1342942	8.588	ppbv	99
79) Naphthalene	22.24	128	2813383	12.527	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1087215	20.494	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1527088	10.733	ppbv	99

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

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