

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036424.D
 Acq On : 2 Mar 2021 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:21 PM

Quant Time: Mar 03 03:33:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1543824	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3593688	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3225587m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2762003m	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1713180	7.435 ppbv	99
3) Chlorodifluoromethane	2.98	51	1818157	9.478 ppbv	99
4) Chloromethane	3.13	50	922386	9.953 ppbv	97
5) Vinyl Chloride	3.25	62	888761	10.299 ppbv	100
6) Bromomethane	3.46	94	527501	10.284 ppbv	96
7) Chloroethane	3.55	64	312349	10.194 ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2001249	9.550 ppbv	98
9) Propene	3.00	41	837254	11.707 ppbv	100
10) Heptane	8.11	43	2143607	10.170 ppbv	99
11) Trichlorofluoromethane	3.94	101	2197174	9.739 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1387805	9.930 ppbv	100
13) Ethanol	3.60	45	149362	11.119 ppbv	93
14) Bromoethene	3.73	108	605736	10.356 ppbv	97
15) Acetone	3.84	43	1737284	9.206 ppbv	99
16) 1,3-Butadiene	3.31	39	863633	9.571 ppbv	99
17) tert-Butyl alcohol	4.28	59	1435701	9.801 ppbv	99
18) 1,1-Dichloroethene	4.28	96	588924	9.272 ppbv	94
19) Isopropyl Alcohol	3.96	45	973301	9.309 ppbv	# 98
20) Methylene Chloride	4.33	84	534045	8.772 ppbv	95
21) Allyl Chloride	4.40	41	996733	9.487 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	579851	10.051 ppbv	98
23) Vinyl Acetate	5.06	43	2241767	10.103 ppbv	# 97
24) 1,1-Dichloroethane	5.00	63	1618282	9.861 ppbv	99
25) Ethyl Acetate	5.67	43	3587892	9.848 ppbv	99
26) Hexane	5.67	57	1479329	9.883 ppbv	98
27) Carbon Disulfide	4.54	76	1539677	11.192 ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1962878	10.038 ppbv	100
29) Chloroform	5.74	83	2335768	9.686 ppbv	99
30) Cyclohexane	7.11	84	1211921	9.735 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1485728	10.031 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2276350	10.097 ppbv	98
34) 2-Butanone	5.23	43	2263750	9.481 ppbv	99
35) Carbon Tetrachloride	7.01	117	2347291	9.746 ppbv	99
36) Benzene	6.88	78	3064527	10.039 ppbv	98
37) 1,2-Dichloroethane	6.29	62	1793017	9.500 ppbv	99
38) Trichloroethene	7.82	130	1059381	9.687 ppbv	95
39) 1,2-Dichloropropane	7.60	63	1232732	9.941 ppbv	97
40) 1,4-Dioxane	7.82	88	386343	8.992 ppbv	# 1
41) Tetrahydrofuran	6.03	42	1359523	10.203 ppbv	99
42) Bromodichloromethane	7.78	83	2473489	9.785 ppbv	98
43) Methyl Methacrylate	8.00	69	1343346	10.434 ppbv	100

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44) 2,2,4-Trimethylpentane	7.85	57	5231972	9.425	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1444652	11.632	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1749043	11.087	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1241138	9.780	ppbv	97
48) Dibromochloromethane	10.29	129	1997330	10.547	ppbv	99
49) Bromoform	13.03	173	1694443	11.068	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	3544410	9.999	ppbv	99
51) 2-Hexanone	10.12	43	2852272	10.590	ppbv	98
52) Tetrachloroethene	11.21	164	1006065	9.002	ppbv	98
53) Toluene	9.79	91	3406700	10.303	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1822353	9.937	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1510488	10.181	ppbv #	58
57) Chlorobenzene	12.14	112	2440780	9.794	ppbv	97
58) Ethyl Benzene	12.70	91	4623581	10.468	ppbv	97
59) m/p-Xylene	12.98	91	7764123m	20.012	ppbv	
60) o-Xylene	13.68	91	3687461	9.941	ppbv	100
61) Styrene	13.52	104	2629881	11.440	ppbv	99
62) Isopropylbenzene	14.66	105	5456718	9.814	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2699742	9.224	ppbv	99
64) n-propylbenzene	15.55	120	1433187	10.473	ppbv	99
65) tert-Butylbenzene	16.73	119	4710607	9.902	ppbv	97
66) Benzyl Chloride	16.98	91	1731394	13.387	ppbv	99
67) sec-Butylbenzene	17.28	105	6699176	9.764	ppbv	99
69) p-Isopropyltoluene	17.64	119	5466510	10.310	ppbv	99
70) n-Butylbenzene	18.54	91	5789870	10.183	ppbv	100
71) 2-Chlorotoluene	15.44	91	4333987	10.168	ppbv	98
72) 4-Ethyltoluene	15.83	105	4272049	10.349	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4032499	10.077	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4053608	9.922	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	2228914	10.052	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2201465	9.560	ppbv	96
77) 1,2-Dichlorobenzene	17.81	146	2198370	9.994	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1541030	8.575	ppbv	100
79) Naphthalene	22.18	128	2977642	12.296	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	783895	17.482	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1571081m	10.633	ppbv	

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

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