

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035828.D
 Acq On : 4 Nov 2020 9:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:16:21 PM

Quant Time: Nov 05 03:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1057177	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4818108	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4780778m	10.00	ppbv	-0.04

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.39	95	3254947	9.58	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1822286	9.156	ppbv	100
3) Chlorodifluoromethane	2.96	51	1176970	9.297	ppbv	97
4) Chloromethane	3.11	50	572208	9.304	ppbv	100
5) Vinyl Chloride	3.23	62	747469	9.534	ppbv	98
6) Bromomethane	3.45	94	652446	10.348	ppbv	100
7) Chloroethane	3.53	64	278553	10.095	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	2253519	9.893	ppbv	100
9) Propene	2.99	41	439787	9.491	ppbv	99
10) Heptane	8.09	43	1218997	9.525	ppbv	97
11) Trichlorofluoromethane	3.92	101	2473211	9.896	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1863431	10.014	ppbv	97
13) Ethanol	3.58	45	70586	7.022	ppbv	96
14) Bromoethene	3.71	108	870081	10.160	ppbv	99
15) Acetone	3.82	43	983918	8.706	ppbv	99
16) 1,3-Butadiene	3.30	39	451500	9.279	ppbv	96
17) tert-Butyl alcohol	4.27	59	1415557	9.451	ppbv	100
18) 1,1-Dichloroethene	4.26	96	874382	10.234	ppbv	98
19) Isopropyl Alcohol	3.94	45	570229	8.210	ppbv	99
20) Methylene Chloride	4.31	84	716654	9.007	ppbv	99
21) Allyl Chloride	4.38	41	611559	10.006	ppbv	95
22) trans-1,2-Dichloroethene	4.86	96	899186	10.382	ppbv	100
23) Vinyl Acetate	5.04	43	1469186	9.274	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1457078	9.654	ppbv	100
25) Ethyl Acetate	5.65	43	2095211	9.410	ppbv	99
26) Hexane	5.66	57	1163611	9.476	ppbv	96
27) Carbon Disulfide	4.52	76	1873459	10.182	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2170030	9.841	ppbv	98
29) Chloroform	5.73	83	2392903	9.915	ppbv	99
30) Cyclohexane	7.10	84	1323834	9.899	ppbv	94
31) cis-1,2-Dichloroethene	5.52	61	1251422	9.907	ppbv	93
32) 1,1,1-Trichloroethane	6.48	97	2416255	9.594	ppbv	99
34) 2-Butanone	5.21	43	1328444	8.496	ppbv	96
35) Carbon Tetrachloride	6.99	117	2424788	9.419	ppbv	99
36) Benzene	6.86	78	3159036	8.819	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1490042	9.182	ppbv	99
38) Trichloroethene	7.81	130	1518647	8.680	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1027861	8.523	ppbv	97
40) 1,4-Dioxane	7.80	88	456461	7.986	ppbv	92
41) Tetrahydrofuran	6.02	42	789564	8.888	ppbv	91
42) Bromodichloromethane	7.76	83	2495315	9.113	ppbv	99
43) Methyl Methacrylate	7.98	69	1259871	9.221	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3936123	8.304	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1426434	9.849	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	1724381	9.401	ppbv	96
47) 1,1,2-Trichloroethane	9.45	97	1471423	8.955	ppbv	99
48) Dibromochloromethane	10.28	129	2428862	9.675	ppbv	99
49) Bromoform	13.01	173	2078161	9.810	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2034884	8.510	ppbv	96
51) 2-Hexanone	10.10	43	1692831	8.813	ppbv #	96
52) Tetrachloroethene	11.19	164	1450496	8.547	ppbv	99
53) Toluene	9.78	91	3883135	8.984	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2287879	9.155	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1900371	8.857	ppbv	99
57) Chlorobenzene	12.12	112	3150636	8.289	ppbv	97
58) Ethyl Benzene	12.68	91	4983110	8.558	ppbv	99
59) m/p-Xylene	12.97	91	8232786m	16.712	ppbv	
60) o-Xylene	13.66	91	3972947	8.290	ppbv	99
61) Styrene	13.50	104	3184067	9.068	ppbv	98
62) Isopropylbenzene	14.64	105	6152798	8.169	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2734561	7.364	ppbv	99
64) n-propylbenzene	15.53	120	1863908	8.561	ppbv	93
65) tert-Butylbenzene	16.72	119	5495240	8.015	ppbv	97
66) Benzyl Chloride	16.96	91	1941179	8.566	ppbv	98
67) sec-Butylbenzene	17.27	105	7283670	7.883	ppbv	99
69) p-Isopropyltoluene	17.63	119	6146015	8.061	ppbv	98
70) n-Butylbenzene	18.53	91	5824754	7.933	ppbv	99
71) 2-Chlorotoluene	15.43	91	4556356	8.270	ppbv	97
72) 4-Ethyltoluene	15.81	105	4915182	8.457	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4461616	8.388	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4533864	7.955	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2952704	8.137	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2952758	8.435	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2894159	8.181	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1320764	8.002	ppbv	100
79) Naphthalene	22.17	128	3598881	9.058	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	755369	11.667	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	1934542	8.715	ppbv	99

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

