

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036025.D
 Acq On : 25 Nov 2020 11:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:17:23 PM

Quant Time: Nov 26 01:53:11 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	5.65	49	1273253	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4928784	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4891517m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3638838	10.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1863687	7.775 ppbv	99
3) Chlorodifluoromethane	2.97	51	1373736	9.010 ppbv	99
4) Chloromethane	3.12	50	698435	9.429 ppbv	99
5) Vinyl Chloride	3.23	62	883714	9.359 ppbv	98
6) Bromomethane	3.45	94	726280	9.564 ppbv	99
7) Chloroethane	3.54	64	328795	9.894 ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	2487383	9.067 ppbv	96
9) Propene	2.99	41	509758	9.134 ppbv	98
10) Heptane	8.10	43	1508586	9.787 ppbv	99
11) Trichlorofluoromethane	3.93	101	2742261	9.110 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2084786	9.303 ppbv	94
13) Ethanol	3.58	45	101465	8.381 ppbv	96
14) Bromoethene	3.72	108	945153	9.164 ppbv	99
15) Acetone	3.83	43	1191458	8.753 ppbv	97
16) 1,3-Butadiene	3.30	39	543950	9.281 ppbv	98
17) tert-Butyl alcohol	4.27	59	1586871	8.796 ppbv	99
18) 1,1-Dichloroethene	4.27	96	978357	9.508 ppbv	94
19) Isopropyl Alcohol	3.95	45	740050	8.847 ppbv	99
20) Methylene Chloride	4.32	84	802172	8.371 ppbv	98
21) Allyl Chloride	4.39	41	729606	9.911 ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	991940	9.509 ppbv	98
23) Vinyl Acetate	5.05	43	1712072	8.973 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1680808	9.246 ppbv	100
25) Ethyl Acetate	5.66	43	2542930	9.483 ppbv	99
26) Hexane	5.67	57	1367904	9.249 ppbv	99
27) Carbon Disulfide	4.53	76	2153349	9.717 ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2320757	8.738 ppbv	100
29) Chloroform	5.74	83	2652359	9.125 ppbv	97
30) Cyclohexane	7.11	84	1434936	8.909 ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1389943	9.136 ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2544489	8.389 ppbv	99
34) 2-Butanone	5.22	43	1612762	10.082 ppbv	100
35) Carbon Tetrachloride	7.00	117	2495519	9.476 ppbv	99
36) Benzene	6.87	78	3398059	9.274 ppbv	99
37) 1,2-Dichloroethane	6.29	62	1649233	9.935 ppbv	100
38) Trichloroethene	7.82	130	1544018	8.627 ppbv	95
39) 1,2-Dichloropropane	7.60	63	1171039	9.493 ppbv	99
40) 1,4-Dioxane	7.81	88	516840	8.840 ppbv	# 1
41) Tetrahydrofuran	6.03	42	940898	10.353 ppbv	99
42) Bromodichloromethane	7.77	83	2732490	9.755 ppbv	100
43) Methyl Methacrylate	7.99	69	1418387	10.148 ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4620933	9.530	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1518287	10.247	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1870281	9.967	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1603903	9.542	ppbv	98
48) Dibromochloromethane	10.29	129	2541064	9.895	ppbv	99
49) Bromoform	13.02	173	2125874	9.810	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2533284	10.357	ppbv	99
51) 2-Hexanone	10.11	43	2080834	10.590	ppbv	100
52) Tetrachloroethene	11.20	164	1439118	8.290	ppbv	98
53) Toluene	9.79	91	4167290	9.425	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2426630	9.492	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1969586	8.971	ppbv	100
57) Chlorobenzene	12.13	112	3360225	8.640	ppbv	99
58) Ethyl Benzene	12.69	91	5374189	9.021	ppbv	99
59) m/p-Xylene	12.98	91	8959875m	17.776	ppbv	
60) o-Xylene	13.68	91	4470815	9.118	ppbv	100
61) Styrene	13.51	104	3405280	9.479	ppbv	99
62) Isopropylbenzene	14.65	105	6679376	8.667	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3272957	8.615	ppbv	99
64) n-propylbenzene	15.55	120	2007009	9.010	ppbv	99
65) tert-Butylbenzene	16.73	119	6019480	8.581	ppbv	99
66) Benzyl Chloride	16.98	91	2289143	9.873	ppbv	99
67) sec-Butylbenzene	17.28	105	8152447	8.624	ppbv	99
69) p-Isopropyltoluene	17.64	119	6772133	8.681	ppbv	100
70) n-Butylbenzene	18.54	91	6797847	9.049	ppbv	99
71) 2-Chlorotoluene	15.44	91	5117629	9.079	ppbv	99
72) 4-Ethyltoluene	15.82	105	5370935	9.032	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4982248	9.155	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	5167140	8.861	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3220225	8.673	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3190043	8.906	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3112098	8.598	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1465818	8.680	ppbv	100
79) Naphthalene	22.18	128	4024332	9.900	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	924531	13.956	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1970773	8.677	ppbv	97

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

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