

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035168.D
 Acq On : 8 Jul 2020 2:37
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:26 PM

Quant Time: Jul 08 06:30:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08
 QLast Update : Wed Jul 08 06:17:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1356810	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3236115	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3199898	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2505568	9.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1604363	8.731	ppbv 100
3) Chlorodifluoromethane	2.94	51	1278115	8.601	ppbv 100
4) Chloromethane	3.10	50	720478	8.680	ppbv 100
5) Vinyl Chloride	3.21	62	736802	9.251	ppbv 100
6) Bromomethane	3.43	94	468031	9.402	ppbv 100
7) Chloroethane	3.52	64	283974	9.389	ppbv 100
8) Dichlorotetrafluoroethane	3.14	85	1743305	8.866	ppbv 100
9) Propene	2.96	41	522564	8.934	ppbv 100
10) Heptane	8.13	43	1460915	9.597	ppbv 100
11) Trichlorofluoromethane	3.92	101	1854820	9.367	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1309879	9.553	ppbv 100
13) Ethanol	3.57	45	110950	5.119	ppbv 99
14) Bromoethene	3.70	108	568651	9.685	ppbv 100
15) Acetone	3.81	43	1389071	8.421	ppbv 100
16) 1,3-Butadiene	3.29	39	664672	9.298	ppbv 100
17) tert-Butyl alcohol	4.26	59	1457999	9.936	ppbv 100
18) 1,1-Dichloroethene	4.26	96	607914	9.844	ppbv 100
19) Isopropyl Alcohol	3.93	45	941988	8.882	ppbv 100
20) Methylene Chloride	4.31	84	534480	7.962	ppbv 100
21) Allyl Chloride	4.38	41	967229	9.898	ppbv 100
22) trans-1,2-Dichloroethene	4.86	96	603284	10.355	ppbv 100
23) Vinyl Acetate	5.05	43	1895849	9.607	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1513547	9.039	ppbv 100
25) Ethyl Acetate	5.66	43	2592157	8.804	ppbv 100
26) Hexane	5.67	57	1159379	8.717	ppbv 100
27) Carbon Disulfide	4.52	76	1635975	11.525	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1800985	9.621	ppbv 100
29) Chloroform	5.74	83	1849324	8.870	ppbv 100
30) Cyclohexane	7.13	84	981333	10.317	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1154383	9.489	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1840175	9.477	ppbv 100
34) 2-Butanone	5.22	43	1602094	8.750	ppbv 100
35) Carbon Tetrachloride	7.01	117	1908111	9.801	ppbv 100
36) Benzene	6.89	78	2278622	9.199	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1434755	9.101	ppbv 100
38) Trichloroethene	7.84	130	928027	9.561	ppbv 100
39) 1,2-Dichloropropane	7.62	63	880712	9.114	ppbv 100
40) 1,4-Dioxane	7.83	88	363652	9.297	ppbv 100
41) Tetrahydrofuran	6.04	42	889262	9.538	ppbv 100
42) Bromodichloromethane	7.80	83	2008711	9.806	ppbv 100
43) Methyl Methacrylate	8.02	69	1049537	10.006	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3938271	9.098	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1185343	11.575	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1383283	10.895	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	977916	9.207	ppbv	100
48) Dibromochloromethane	10.33	129	1683112	10.546	ppbv	100
49) Bromoform	13.07	173	1488640	10.943	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2511993	9.578	ppbv	100
51) 2-Hexanone	10.15	43	2018401	9.865	ppbv	100
52) Tetrachloroethene	11.25	164	826619	9.408	ppbv	100
53) Toluene	9.82	91	2689952	10.148	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1493604	9.473	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1279252	9.656	ppbv	98
57) Chlorobenzene	12.17	112	2082079	8.815	ppbv	100
58) Ethyl Benzene	12.73	91	3657436	10.118	ppbv	100
59) m/p-Xylene	13.02	91	6101529m	19.045	ppbv	
60) o-Xylene	13.72	91	3070009	9.600	ppbv	100
61) Styrene	13.56	104	2178560	10.824	ppbv	100
62) Isopropylbenzene	14.70	105	4482304	9.393	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2182433	8.441	ppbv	100
64) n-propylbenzene	15.60	120	1198793	9.833	ppbv	100
65) tert-Butylbenzene	16.78	119	4013610	9.753	ppbv	100
66) Benzyl Chloride	17.03	91	1625662	12.518	ppbv	100
67) sec-Butylbenzene	17.33	105	5763382	9.751	ppbv	100
69) p-Isopropyltoluene	17.69	119	4731560	10.037	ppbv	100
70) n-Butylbenzene	18.59	91	4955124	9.743	ppbv	100
71) 2-Chlorotoluene	15.49	91	3503327	9.706	ppbv	100
72) 4-Ethyltoluene	15.88	105	3618706	10.134	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3412099	10.073	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3554819	9.383	ppbv	100
75) 1,3-Dichlorobenzene	17.04	146	2035410	9.026	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2065759	9.541	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1965616	9.464	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1436292	7.858	ppbv	100
79) Naphthalene	22.26	128	2962090	9.180	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1107359	9.441	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	1641890	8.750	ppbv	100

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

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