

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032145.D
 Acq On : 29 Jun 2018 18:04
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:24:45 PM

Quant Time: Jun 29 18:45:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun 1
 QLast Update : Thu Jun 14 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1237300	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.39	114	3164677	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.35	117	3336006m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	2397164	9.67	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	1234393	9.51	ppbv	98
3) Chlorodifluoromethane	3.07	51	1382134	8.60	ppbv	97
4) Chloromethane	3.23	50	762556	8.88	ppbv	100
5) Vinyl Chloride	3.35	62	744857	8.41	ppbv	100
6) Bromomethane	3.58	94	435725	8.48	ppbv	95
7) Chloroethane	3.67	64	266400	8.12	ppbv	98
8) Dichlorotetrafluoroethane	3.28	85	1620499	9.08	ppbv	99
9) Propene	3.09	41	663575	8.45	ppbv	97
10) Heptane	8.34	43	2003927	9.01	ppbv	99
11) Trichlorofluoromethane	4.07	101	1652345	9.67	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1055505	9.12	ppbv	99
13) Ethanol	3.71	45	171346	7.25	ppbv	100
14) Bromoethene	3.86	108	529287	9.33	ppbv	98
15) Acetone	3.97	43	1297948	7.89	ppbv	99
16) 1,3-Butadiene	3.42	39	677282	8.77	ppbv	91
17) tert-Butyl alcohol	4.43	59	900056	9.11	ppbv	99
18) 1,1-Dichloroethene	4.42	96	530295	9.33	ppbv	98
19) Isopropyl Alcohol	4.09	45	1155747	8.96	ppbv	88
20) Methylene Chloride	4.48	84	455999	8.21	ppbv	98
21) Allyl Chloride	4.55	41	950793	9.32	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	517921	8.96	ppbv	95
23) Vinyl Acetate	5.23	43	2469943	9.87	ppbv	99
24) 1,1-Dichloroethane	5.17	63	1540979	8.18	ppbv	99
25) Ethyl Acetate	5.85	43	2723638	7.55	ppbv	100
26) Hexane	5.86	57	1222252	7.65	ppbv	94
27) Carbon Disulfide	4.70	76	1361101	8.52	ppbv	99
28) Methyl tert-Butyl Ether	5.19	73	2272487	11.24	ppbv	100
29) Chloroform	5.94	83	1851946	8.78	ppbv	98
30) Cyclohexane	7.34	84	1136782	8.64	ppbv	99
31) cis-1,2-Dichloroethene	5.73	61	1278664	8.99	ppbv	99
32) 1,1,1-Trichloroethane	6.71	97	1884236	8.57	ppbv	99
34) 2-Butanone	5.41	43	1918260	7.47	ppbv	99
35) Carbon Tetrachloride	7.23	117	1914465	8.72	ppbv	97
36) Benzene	7.10	78	2714324	7.91	ppbv	99
37) 1,2-Dichloroethane	6.50	62	1414075	8.01	ppbv	99
38) Trichloroethene	8.06	130	1113672	8.42	ppbv	99
39) 1,2-Dichloropropane	7.84	63	1137603	9.03	ppbv	97
40) 1,4-Dioxane	8.05	88	466472	7.94	ppbv #	13
41) Tetrahydrofuran	6.23	42	1152023	7.51	ppbv	99
42) Bromodichloromethane	8.02	83	2411030	10.10	ppbv	97
43) Methyl Methacrylate	8.23	69	1279521	9.43	ppbv	98

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44) 2,2,4-Trimethylpentane	8.09	57	5132853	9.11	ppbv	99
45) t-1,3-Dichloropropene	9.52	75	1675810	9.98	ppbv	97
46) cis-1,3-Dichloropropene	8.94	75	1860395	8.66	ppbv	97
47) 1,1,2-Trichloroethane	9.72	97	1212049	8.50	ppbv	99
48) Dibromochloromethane	10.56	129	1994870	9.35	ppbv	99
49) Bromoform	13.31	173	1672394	10.23	ppbv	99
50) 4-Methyl-2-Pentanone	8.97	43	3078813	7.73	ppbv	98
51) 2-Hexanone	10.37	43	2654075	6.69	ppbv #	99
52) Tetrachloroethene	11.48	164	977827	7.71	ppbv	97
53) Toluene	10.05	91	3546533	8.56	ppbv	99
54) 1,2-Dibromoethane	10.86	107	1843845	8.74	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.39	131	1303919	8.79	ppbv	98
57) Chlorobenzene	12.41	112	2475842	7.83	ppbv	99
58) Ethyl Benzene	12.97	91	4585891	7.89	ppbv	98
59) m/p-Xylene	13.26	91	7202912m	15.66	ppbv	
60) o-Xylene	13.95	91	3559804	7.80	ppbv	98
61) Styrene	13.79	104	3148414	23.10	ppbv	97
62) Isopropylbenzene	14.93	105	5296888	8.71	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.94	83	2496436	7.05	ppbv	100
64) n-propylbenzene	15.83	120	1365262	8.62	ppbv	94
65) tert-Butylbenzene	17.01	119	4400000	8.22	ppbv	98
66) Benzyl Chloride	17.26	91	3316180	48.55	ppbv	97
67) sec-Butylbenzene	17.57	105	6436341	8.25	ppbv	99
69) p-Isopropyltoluene	17.92	119	5335474	8.34	ppbv	98
70) n-Butylbenzene	18.82	91	5567937	8.28	ppbv	100
71) 2-Chlorotoluene	15.73	91	3994809	8.57	ppbv	97
72) 4-Ethyltoluene	16.11	105	4452233	8.65	ppbv	99
73) 1,3,5-Trimethylbenzene	16.27	105	4202554	9.12	ppbv	96
74) 1,2,4-Trimethylbenzene	17.03	105	4081138	8.32	ppbv	99
75) 1,3-Dichlorobenzene	17.27	146	2339384	7.80	ppbv	99
76) 1,4-Dichlorobenzene	17.42	146	2451831	8.04	ppbv	98
77) 1,2-Dichlorobenzene	18.10	146	2396894	7.69	ppbv	98
78) Hexachloro-1,3-Butadiene	23.64	225	831198	9.80	ppbv	99
79) Naphthalene	22.54	128	4554474	8.90	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2512684	8.20	ppbv	98
81) 1,2,4-Trichlorobenzene	22.26	180	2074842	10.35	ppbv	99

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

