

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081518\
 Data File : VL032348.D
 Acq On : 15 Aug 2018 9:57
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:06:21 PM

Quant Time: Aug 15 11:43:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2383700	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.35	114	4760938	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.31	117	4784195m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.65	95	3690646	9.94	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.11	85	1874902	6.521	ppbv	97
3) Chlorodifluoromethane	3.05	51	2053544	8.616	ppbv	99
4) Chloromethane	3.21	50	1234555	8.555	ppbv	99
5) Vinyl Chloride	3.33	62	1160717	8.848	ppbv	100
6) Bromomethane	3.56	94	641869	8.911	ppbv	95
7) Chloroethane	3.64	64	409103	8.770	ppbv	97
8) Dichlorotetrafluoroethane	3.26	85	2408092	8.293	ppbv	99
9) Propene	3.07	41	982071	9.164	ppbv	99
10) Heptane	8.31	43	2864541	7.615	ppbv	99
11) Trichlorofluoromethane	4.05	101	2366468	8.617	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1636220	8.727	ppbv	99
13) Ethanol	3.69	45	236667	7.685	ppbv	98
14) Bromoethene	3.83	108	738344	8.971	ppbv	100
15) Acetone	3.95	43	1864538	8.299	ppbv	100
16) 1,3-Butadiene	3.40	39	869504	7.465	ppbv	85
17) tert-Butyl alcohol	4.41	59	344904	4.830	ppbv	99
18) 1,1-Dichloroethene	4.40	96	793070	9.117	ppbv	97
19) Isopropyl Alcohol	4.06	45	1451454	9.682	ppbv	99
20) Methylene Chloride	4.46	84	699435	7.746	ppbv	95
21) Allyl Chloride	4.53	41	1420940	9.271	ppbv	99
22) trans-1,2-Dichloroethene	5.02	96	875635	10.439	ppbv	100
23) Vinyl Acetate	5.21	43	4126637	10.239	ppbv	99
24) 1,1-Dichloroethane	5.14	63	2821111	9.758	ppbv	100
25) Ethyl Acetate	5.82	43	4745638	9.413	ppbv	100
26) Hexane	5.84	57	2177043	9.543	ppbv	99
27) Carbon Disulfide	4.67	76	2104942	10.149	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	3168860	10.270	ppbv	100
29) Chloroform	5.90	83	3134853	9.447	ppbv	98
30) Cyclohexane	7.31	84	1711443	9.615	ppbv	98
31) cis-1,2-Dichloroethene	5.70	61	2194667	10.376	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2981237	10.152	ppbv	99
34) 2-Butanone	5.38	43	3298484	10.704	ppbv	99
35) Carbon Tetrachloride	7.20	117	2976599	11.007	ppbv	98
36) Benzene	7.07	78	4304439	10.257	ppbv	99
37) 1,2-Dichloroethane	6.47	62	2412002	9.947	ppbv	100
38) Trichloroethene	8.03	130	1448807	8.933	ppbv	97
39) 1,2-Dichloropropane	7.80	63	1777765	8.420	ppbv	96
40) 1,4-Dioxane	8.02	88	595073	9.598	ppbv	83
41) Tetrahydrofuran	6.20	42	1917293	10.999	ppbv	98
42) Bromodichloromethane	7.98	83	3363188	8.567	ppbv	100
43) Methyl Methacrylate	8.20	69	1810818	8.989	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	7520931	8.264	ppbv	100
45) t-1,3-Dichloropropene	9.48	75	2329326	9.979	ppbv	98
46) cis-1,3-Dichloropropene	8.90	75	2663259	9.312	ppbv	96
47) 1,1,2-Trichloroethane	9.68	97	1837905	8.955	ppbv	98
48) Dibromochloromethane	10.52	129	2688629	8.887	ppbv	100
49) Bromoform	13.28	173	2222243	8.921	ppbv	99
50) 4-Methyl-2-Pentanone	8.94	43	4620400	8.498	ppbv	100
51) 2-Hexanone	10.34	43	4109469	9.918	ppbv	99
52) Tetrachloroethene	11.44	164	1261575	8.921	ppbv	96
53) Toluene	10.02	91	5167519	10.300	ppbv	100
54) 1,2-Dibromoethane	10.83	107	2511116	8.610	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.35	131	1897183	9.617	ppbv #	56
57) Chlorobenzene	12.37	112	3414004	9.177	ppbv	99
58) Ethyl Benzene	12.93	91	6243255	10.409	ppbv	99
59) m/p-Xylene	13.22	91	10012809m	19.607	ppbv	
60) o-Xylene	13.92	91	4898501	9.784	ppbv	100
61) Styrene	13.76	104	3875061	10.516	ppbv	100
62) Isopropylbenzene	14.90	105	6940731	9.758	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.91	83	3684804	9.044	ppbv	100
64) n-propylbenzene	15.79	120	1839762	9.935	ppbv	100
65) tert-Butylbenzene	16.98	119	5826825	9.696	ppbv	100
66) Benzyl Chloride	17.22	91	4113372	11.484	ppbv	99
67) sec-Butylbenzene	17.53	105	8727455	9.699	ppbv	100
69) p-Isopropyltoluene	17.89	119	6886266	9.877	ppbv	100
70) n-Butylbenzene	18.78	91	7616838	9.462	ppbv	100
71) 2-Chlorotoluene	15.69	91	5587008	10.009	ppbv	100
72) 4-Ethyltoluene	16.07	105	5834038	10.397	ppbv	99
73) 1,3,5-Trimethylbenzene	16.23	105	5518771	9.992	ppbv	100
74) 1,2,4-Trimethylbenzene	17.00	105	5514012	9.470	ppbv	99
75) 1,3-Dichlorobenzene	17.24	146	3133175	9.292	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	3183870	9.841	ppbv	100
77) 1,2-Dichlorobenzene	18.06	146	3086162	9.315	ppbv	100
78) Hexachloro-1,3-Butadiene	23.61	225	938938	8.059	ppbv	100
79) Naphthalene	22.49	128	5411394	10.709	ppbv	99
80) Naphthalene,2-methyl-	25.16	142	2347355	11.740	ppbv	100
81) 1,2,4-Trichlorobenzene	22.22	180	2612628	10.347	ppbv	100

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

