

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033256.D
 Acq On : 8 Mar 2019 12:46
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Mar 08 17:13:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 06 08:43:44 2019
 Response via : Initial Calibration

MMDadoda
 3/11/2019 10:10:06 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	903893	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2374339	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2498637m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1911722	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1706359	13.364	ppbv 99
3) Chlorodifluoromethane	3.01	51	1016359	9.825	ppbv 100
4) Chloromethane	3.17	50	534616	10.039	ppbv 100
5) Vinyl Chloride	3.29	62	526726	8.821	ppbv 99
6) Bromomethane	3.51	94	325767	9.540	ppbv 98
7) Chloroethane	3.60	64	193540	9.700	ppbv 99
8) Dichlorotetrafluoroethane	3.22	85	1284204	10.174	ppbv 99
9) Propene	3.04	41	452967	9.826	ppbv 100
10) Heptane	8.25	43	1358572	10.832	ppbv 100
11) Trichlorofluoromethane	4.00	101	1439794	9.603	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	952443	9.799	ppbv 100
13) Ethanol	3.64	45	88491	6.420	ppbv 98
14) Bromoethene	3.79	108	402696	9.834	ppbv 98
15) Acetone	3.90	43	933108	8.022	ppbv 100
16) 1,3-Butadiene	3.36	39	477982	10.290	ppbv 99
17) tert-Butyl alcohol	4.35	59	169534	8.943	ppbv 99
18) 1,1-Dichloroethene	4.35	96	425542	9.833	ppbv 99
19) Isopropyl Alcohol	4.02	45	595045	8.605	ppbv 99
20) Methylene Chloride	4.41	84	368627	8.362	ppbv 98
21) Allyl Chloride	4.48	41	660452	10.174	ppbv 100
22) trans-1,2-Dichloroethene	4.96	96	425697	9.636	ppbv 98
23) Vinyl Acetate	5.15	43	1578288	9.198	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1096923	8.967	ppbv 100
25) Ethyl Acetate	5.77	43	1915645	8.983	ppbv 99
26) Hexane	5.78	57	861718	8.644	ppbv 98
27) Carbon Disulfide	4.62	76	1088010	11.322	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1261148	9.173	ppbv 100
29) Chloroform	5.85	83	1419574	9.156	ppbv 100
30) Cyclohexane	7.25	84	827536	11.087	ppbv 99
31) cis-1,2-Dichloroethene	5.64	61	906441	9.414	ppbv 98
32) 1,1,1-Trichloroethane	6.62	97	1439648	9.572	ppbv 99
34) 2-Butanone	5.33	43	1294872	7.871	ppbv 99
35) Carbon Tetrachloride	7.14	117	1565535	8.717	ppbv 96
36) Benzene	7.00	78	1789006	8.028	ppbv 100
37) 1,2-Dichloroethane	6.41	62	1121999	8.089	ppbv 100
38) Trichloroethene	7.96	130	771043	9.162	ppbv 97
39) 1,2-Dichloropropane	7.73	63	792370	9.107	ppbv 98
40) 1,4-Dioxane	7.95	88	277575	8.599	ppbv # 96
41) Tetrahydrofuran	6.15	42	738087	8.166	ppbv 99
42) Bromodichloromethane	7.91	83	1803696	9.196	ppbv 98
43) Methyl Methacrylate	8.13	69	858574	9.524	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033256.D
 Acq On : 8 Mar 2019 12:46
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Mar 08 17:13:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 06 08:43:44 2019
 Response via : Initial Calibration

MMDadoda
 3/11/2019 10:10:06 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3492774	8.863	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1125152	10.314	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1290828	9.920	ppbv	96
47) 1,1,2-Trichloroethane	9.61	97	831865	8.884	ppbv	94
48) Dibromochloromethane	10.45	129	1468027	9.679	ppbv	99
49) Bromoform	13.20	173	1199002	9.899	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2160477	8.879	ppbv	99
51) 2-Hexanone	10.27	43	1684178	9.253	ppbv	100
52) Tetrachloroethene	11.37	164	729937	8.789	ppbv	98
53) Toluene	9.95	91	2394563	9.294	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1301571	9.150	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	994737	9.171	ppbv	100
57) Chlorobenzene	12.30	112	1679628	8.634	ppbv	99
58) Ethyl Benzene	12.86	91	3237277	9.367	ppbv	100
59) m/p-Xylene	13.15	91	5395161m	18.319	ppbv	
60) o-Xylene	13.85	91	2594798	9.240	ppbv	99
61) Styrene	13.68	104	1899126	9.617	ppbv	100
62) Isopropylbenzene	14.82	105	3618150	9.242	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1673796	8.377	ppbv	99
64) n-propylbenzene	15.72	120	910951	9.387	ppbv	100
65) tert-Butylbenzene	16.90	119	3069933	9.185	ppbv	100
66) Benzyl Chloride	17.15	91	1546354	11.961	ppbv	99
67) sec-Butylbenzene	17.46	105	4427558	9.292	ppbv	99
69) p-Isopropyltoluene	17.81	119	3672430	9.531	ppbv	100
70) n-Butylbenzene	18.71	91	3974912	9.418	ppbv	100
71) 2-Chlorotoluene	15.62	91	2768602	9.249	ppbv	99
72) 4-Ethyltoluene	16.00	105	2963665	9.658	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	2807841	9.532	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	2854759	9.220	ppbv #	94
75) 1,3-Dichlorobenzene	17.16	146	1652958	9.128	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1655874	9.227	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1609184	9.154	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1171855	9.419	ppbv	99
79) Naphthalene	22.41	128	4191931	11.072	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1673452	14.795	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1926730	10.128	ppbv	100

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

