

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033270.D
 Acq On : 9 Mar 2019 00:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:10:31 AM

Quant Time: Mar 09 05:11:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar 09 05:11:57 2019
 QLast Update : Sat Mar 09 03:32:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	907801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2068436	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2571757m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1964984	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1633452	9.518	ppbv	99
3) Chlorodifluoromethane	3.02	51	991123	9.627	ppbv	99
4) Chloromethane	3.17	50	522006	9.731	ppbv	99
5) Vinyl Chloride	3.29	62	511898	9.517	ppbv	95
6) Bromomethane	3.52	94	323754	9.787	ppbv	98
7) Chloroethane	3.60	64	197684	10.165	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1256473	9.367	ppbv	100
9) Propene	3.04	41	435379	9.585	ppbv	99
10) Heptane	8.25	43	1165564	9.396	ppbv	99
11) Trichlorofluoromethane	4.01	101	1509371	10.069	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	990858	10.059	ppbv	99
13) Ethanol	3.65	45	89412m	6.801	ppbv	
14) Bromoethene	3.79	108	404322	9.998	ppbv	99
15) Acetone	3.90	43	1042417	9.676	ppbv	100
16) 1,3-Butadiene	3.36	39	414378	9.273	ppbv	88
17) tert-Butyl alcohol	4.35	59	156972m	8.935	ppbv	
18) 1,1-Dichloroethene	4.35	96	431449	10.004	ppbv	97
19) Isopropyl Alcohol	4.02	45	561644	8.683	ppbv	99
20) Methylene Chloride	4.41	84	372395	8.422	ppbv	96
21) Allyl Chloride	4.48	41	688100	10.636	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	457938	10.353	ppbv	98
23) Vinyl Acetate	5.16	43	1667750	10.807	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1127652	9.954	ppbv	99
25) Ethyl Acetate	5.77	43	1903449	9.252	ppbv	100
26) Hexane	5.78	57	846679	8.734	ppbv	99
27) Carbon Disulfide	4.62	76	1128359	11.493	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1267486	10.177	ppbv	100
29) Chloroform	5.85	83	1404790	9.496	ppbv	100
30) Cyclohexane	7.25	84	709729	9.456	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	897983	9.779	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1385261	9.915	ppbv	99
34) 2-Butanone	5.33	43	1268291	10.143	ppbv	100
35) Carbon Tetrachloride	7.14	117	1464806	10.433	ppbv	97
36) Benzene	7.01	78	1787460	10.038	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1108708	9.669	ppbv	100
38) Trichloroethene	7.96	130	673668	9.749	ppbv	99
39) 1,2-Dichloropropane	7.74	63	684073	9.784	ppbv	99
40) 1,4-Dioxane	7.96	88	225741	8.760	ppbv	86
41) Tetrahydrofuran	6.15	42	731780	10.358	ppbv	99
42) Bromodichloromethane	7.92	83	1576740	10.096	ppbv	100
43) Methyl Methacrylate	8.14	69	734767	10.256	ppbv	99

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44) 2,2,4-Trimethylpentane	7.99	57	3043568	9.618	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	996325	11.483	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1106846	10.839	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	735095	9.796	ppbv	97
48) Dibromochloromethane	10.45	129	1321452	10.742	ppbv	100
49) Bromoform	13.20	173	1310567	11.970	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1870535	9.887	ppbv	100
51) 2-Hexanone	10.27	43	1501050	10.643	ppbv #	100
52) Tetrachloroethene	11.37	164	738771	11.134	ppbv	98
53) Toluene	9.95	91	2121099	10.400	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1173160	9.981	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1033353	9.599	ppbv #	63
57) Chlorobenzene	12.30	112	1755016	9.306	ppbv	97
58) Ethyl Benzene	12.87	91	3376976	9.705	ppbv	100
59) m/p-Xylene	13.15	91	5601530m	17.782	ppbv	
60) o-Xylene	13.85	91	2739225	8.981	ppbv	100
61) Styrene	13.69	104	2035527	9.809	ppbv	100
62) Isopropylbenzene	14.83	105	3827712	9.398	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1864365	9.503	ppbv	100
64) n-propylbenzene	15.72	120	962100	9.660	ppbv	100
65) tert-Butylbenzene	16.91	119	3302617	9.641	ppbv	100
66) Benzyl Chloride	17.16	91	1684631	13.125	ppbv	100
67) sec-Butylbenzene	17.46	105	4695733	9.642	ppbv	99
69) p-Isopropyltoluene	17.82	119	3836144	9.705	ppbv	100
70) n-Butylbenzene	18.71	91	4015164	9.372	ppbv	100
71) 2-Chlorotoluene	15.62	91	2962428	9.721	ppbv	99
72) 4-Ethyltoluene	16.00	105	3145092	9.903	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3001740	9.921	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3036773	9.644	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1725269	9.272	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1727906	9.483	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1655561	9.242	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1324206	9.759	ppbv	100
79) Naphthalene	22.41	128	3237555	9.430	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1782645	21.217	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1539912	8.697	ppbv	100

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

