

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
 Data File : VL034120.D
 Acq On : 5 Sep 2019 2:28
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:14:51 AM

Quant Time: Sep 05 10:02:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 05 10:02:17 2019
 QLast Update : Thu Sep 05 09:42:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1194254	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2282602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2522152	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.51	95	1982503	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1835261	9.317	ppbv	100
3) Chlorodifluoromethane	2.98	51	1208011	9.074	ppbv	100
4) Chloromethane	3.13	50	778624	9.356	ppbv	100
5) Vinyl Chloride	3.25	62	682798	9.007	ppbv	100
6) Bromomethane	3.47	94	356152	9.519	ppbv	100
7) Chloroethane	3.56	64	244108	9.452	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1430034	9.019	ppbv	100
9) Propene	3.00	41	693189	9.307	ppbv	100
10) Heptane	8.19	43	1767670	9.145	ppbv	100
11) Trichlorofluoromethane	3.96	101	1468295	9.140	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1000181	9.306	ppbv	100
13) Ethanol	3.61	45	118693	7.043	ppbv	99
14) Bromoethene	3.74	108	441411	9.500	ppbv	100
15) Acetone	3.86	43	1251322	8.694	ppbv	100
16) 1,3-Butadiene	3.32	39	684976	9.397	ppbv	100
17) tert-Butyl alcohol	4.31	59	987061	9.447	ppbv	100
18) 1,1-Dichloroethene	4.30	96	472763	9.641	ppbv	100
19) Isopropyl Alcohol	3.98	45	853772	8.815	ppbv	100
20) Methylene Chloride	4.36	84	417784	8.779	ppbv	100
21) Allyl Chloride	4.43	41	910738	9.598	ppbv	100
22) trans-1,2-Dichloroethene	4.91	96	464801	9.457	ppbv	100
23) Vinyl Acetate	5.11	43	2320161	9.501	ppbv	100
24) 1,1-Dichloroethane	5.04	63	1478676	9.124	ppbv	100
25) Ethyl Acetate	5.72	43	2748840	8.706	ppbv	100
26) Hexane	5.73	57	1174262	8.360	ppbv	99
27) Carbon Disulfide	4.57	76	1269813	10.042	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	1926897	9.362	ppbv	100
29) Chloroform	5.80	83	1728553	9.123	ppbv	100
30) Cyclohexane	7.19	84	959529	9.449	ppbv	100
31) cis-1,2-Dichloroethene	5.59	61	1270089	9.442	ppbv	100
32) 1,1,1-Trichloroethane	6.57	97	1648697	9.264	ppbv	100
34) 2-Butanone	5.28	43	1951601	8.893	ppbv	100
35) Carbon Tetrachloride	7.08	117	1595258	9.039	ppbv	100
36) Benzene	6.95	78	2356519	9.032	ppbv	100
37) 1,2-Dichloroethane	6.36	62	1434486	8.973	ppbv	100
38) Trichloroethene	7.90	130	767706	7.956	ppbv	100
39) 1,2-Dichloropropane	7.68	63	1003878	8.986	ppbv	100
40) 1,4-Dioxane	7.89	88	317470	7.705	ppbv	# 100
41) Tetrahydrofuran	6.09	42	1214338	9.269	ppbv	100
42) Bromodichloromethane	7.86	83	1942038	9.310	ppbv	100
43) Methyl Methacrylate	8.08	69	1021848	9.507	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	4038280	8.395	ppbv	100
45) t-1,3-Dichloropropene	9.36	75	1341730	10.635	ppbv	100
46) cis-1,3-Dichloropropene	8.78	75	1504706	9.790	ppbv	100
47) 1,1,2-Trichloroethane	9.55	97	924538	9.099	ppbv	100
48) Dibromochloromethane	10.39	129	1458819	9.611	ppbv	100
49) Bromoform	13.14	173	1283195	9.655	ppbv	100
50) 4-Methyl-2-Pentanone	8.81	43	2863394	8.551	ppbv	100
51) 2-Hexanone	10.21	43	2512655	8.769	ppbv	100
52) Tetrachloroethene	11.31	164	743452	8.142	ppbv	100
53) Toluene	9.89	91	2603013	9.021	ppbv	100
54) 1,2-Dibromoethane	10.70	107	1371990	9.079	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.22	131	947332	8.757	ppbv	100
57) Chlorobenzene	12.24	112	1804870	8.319	ppbv	100
58) Ethyl Benzene	12.80	91	3458827	8.372	ppbv	100
59) m/p-Xylene	13.08	91	5584759m	16.594	ppbv	
60) o-Xylene	13.79	91	2754303	8.197	ppbv	100
61) Styrene	13.62	104	2189595	8.720	ppbv	100
62) Isopropylbenzene	14.77	105	3561220	8.148	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.77	83	1975098	7.186	ppbv	100
64) n-propylbenzene	15.66	120	945437	8.509	ppbv	100
65) tert-Butylbenzene	16.85	119	2992726	7.950	ppbv	100
66) Benzyl Chloride	17.09	91	1647659	11.877	ppbv	100
67) sec-Butylbenzene	17.40	105	4272367	7.877	ppbv	100
69) p-Isopropyltoluene	17.75	119	3478668	8.029	ppbv	100
70) n-Butylbenzene	18.65	91	3864827	7.824	ppbv	100
71) 2-Chlorotoluene	15.55	91	2968382	8.311	ppbv	100
72) 4-Ethyltoluene	15.94	105	3179016	8.385	ppbv	100
73) 1,3,5-Trimethylbenzene	16.10	105	3025290	8.210	ppbv	100
74) 1,2,4-Trimethylbenzene	16.87	105	2969176	7.825	ppbv	100
75) 1,3-Dichlorobenzene	17.10	146	1620007	8.063	ppbv	100
76) 1,4-Dichlorobenzene	17.25	146	1701533	8.031	ppbv	100
77) 1,2-Dichlorobenzene	17.92	146	1657552	8.069	ppbv	100
78) Hexachloro-1,3-Butadiene	23.48	225	1091235	7.792	ppbv	100
79) Naphthalene	22.33	128	2913019	8.500	ppbv	100
80) Naphthalene, 2-methyl-	25.06	142	1736816	14.587	ppbv	99
81) 1,2,4-Trichlorobenzene	22.05	180	1533850	8.219	ppbv	100

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

