

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034887.D
 Acq On : 16 Mar 2020 12:45
 Operator : SY/AP
 Sample : VL0316ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:15:40 PM

Quant Time: Mar 17 04:47:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	955153	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2096990	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2237409m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1747529	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1729726	13.225	ppbv 99
3) Chlorodifluoromethane	2.94	51	1089710	10.213	ppbv 98
4) Chloromethane	3.10	50	629022	10.431	ppbv 97
5) Vinyl Chloride	3.22	62	609609	10.515	ppbv 94
6) Bromomethane	3.43	94	360902	10.694	ppbv 96
7) Chloroethane	3.52	64	217082	10.369	ppbv 99
8) Dichlorotetrafluoroethane	3.14	85	1376175	10.131	ppbv 96
9) Propene	2.97	41	496495	9.746	ppbv 99
10) Heptane	8.12	43	1331409	10.620	ppbv 100
11) Trichlorofluoromethane	3.92	101	1414597	10.166	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1005572	10.325	ppbv 95
13) Ethanol	3.57	45	114239	7.376	ppbv 96
14) Bromoethene	3.70	108	430202	10.228	ppbv 98
15) Acetone	3.82	43	1128687	9.117	ppbv 99
16) 1,3-Butadiene	3.29	39	564369	10.081	ppbv 100
17) tert-Butyl alcohol	4.26	59	842882	7.067	ppbv 99
18) 1,1-Dichloroethene	4.26	96	457306	10.603	ppbv 97
19) Isopropyl Alcohol	3.94	45	602190	7.703	ppbv # 41
20) Methylene Chloride	4.31	84	405649	10.364	ppbv 97
21) Allyl Chloride	4.38	41	798786	10.047	ppbv 100
22) trans-1,2-Dichloroethene	4.86	96	465863	10.647	ppbv 97
23) Vinyl Acetate	5.05	43	1805908	9.875	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1246116	10.165	ppbv 99
25) Ethyl Acetate	5.66	43	2187497	9.918	ppbv 100
26) Hexane	5.67	57	975124	10.267	ppbv 98
27) Carbon Disulfide	4.52	76	1164112	10.802	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1509359	9.552	ppbv 100
29) Chloroform	5.74	83	1508334	10.409	ppbv 97
30) Cyclohexane	7.12	84	807200	10.186	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	993093	10.225	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	1470654	10.416	ppbv 98
34) 2-Butanone	5.22	43	1467891	10.533	ppbv 99
35) Carbon Tetrachloride	7.01	117	1489576	11.421	ppbv 96
36) Benzene	6.89	78	1963515	10.505	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1174895	11.148	ppbv 98
38) Trichloroethene	7.83	130	735599	10.362	ppbv 98
39) 1,2-Dichloropropane	7.62	63	779218	10.522	ppbv 95
40) 1,4-Dioxane	7.83	88	258199	9.232	ppbv # 93
41) Tetrahydrofuran	6.03	42	817203	10.838	ppbv 99
42) Bromodichloromethane	7.80	83	1603556	11.164	ppbv 100
43) Methyl Methacrylate	8.02	69	889421	11.295	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3400439	10.766	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1016052	10.982	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1206451	10.974	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	826279	10.872	ppbv	96
48) Dibromochloromethane	10.32	129	1339491	10.883	ppbv	99
49) Bromoform	13.07	173	1204745	10.978	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2210769	11.021	ppbv	100
51) 2-Hexanone	10.14	43	1815190	11.134	ppbv #	99
52) Tetrachloroethene	11.24	164	704217	9.523	ppbv	98
53) Toluene	9.82	91	2288631	10.603	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1224735	10.706	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1020076	10.149	ppbv	96
57) Chlorobenzene	12.17	112	1740365	9.941	ppbv #	96
58) Ethyl Benzene	12.73	91	3117016	10.287	ppbv	99
59) m/p-Xylene	13.01	91	5145764m	20.271	ppbv	
60) o-Xylene	13.71	91	2548584	10.283	ppbv	99
61) Styrene	13.55	104	1875467	10.782	ppbv	99
62) Isopropylbenzene	14.69	105	3755152	10.020	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1805631	10.731	ppbv	99
64) n-propylbenzene	15.59	120	993344	10.184	ppbv	93
65) tert-Butylbenzene	16.77	119	3263319	9.961	ppbv	98
66) Benzyl Chloride	17.02	91	1298293	9.504	ppbv	98
67) sec-Butylbenzene	17.32	105	4703573	10.354	ppbv	99
69) p-Isopropyltoluene	17.68	119	3913954	10.275	ppbv	98
70) n-Butylbenzene	18.58	91	4154473	10.690	ppbv	99
71) 2-Chlorotoluene	15.48	91	2923779	10.302	ppbv	98
72) 4-Ethyltoluene	15.86	105	3085808	10.543	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2859596	10.436	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	2960233	10.486	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1694834	9.957	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	1705180	10.039	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	1639808	9.939	ppbv	97
78) Hexachloro-1,3-Butadiene	23.41	225	1398602	10.149	ppbv	98
79) Naphthalene	22.24	128	2723187	12.370	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	813304	14.137	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1571792	11.238	ppbv	100

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

