

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034792.D
 Acq On : 5 Mar 2020 11:51
 Operator : SY/AP
 Sample : VL0305ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0305ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:18:34 AM

Quant Time: Mar 06 04:59:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1021546	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	2112584	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2183869	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1855891	10.19	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1714724	10.286	ppbv	99
3) Chlorodifluoromethane	2.95	51	1049212	9.015	ppbv	97
4) Chloromethane	3.11	50	578911	9.235	ppbv	100
5) Vinyl Chloride	3.22	62	573032	8.653	ppbv	98
6) Bromomethane	3.44	94	346814	9.595	ppbv	96
7) Chloroethane	3.53	64	211698	9.245	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1342671	9.271	ppbv	100
9) Propene	2.97	41	414710	9.053	ppbv	100
10) Heptane	8.13	43	1172917	10.075	ppbv	99
11) Trichlorofluoromethane	3.92	101	1411463	9.462	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	966136	9.387	ppbv	97
13) Ethanol	3.57	45	95735	6.099	ppbv	100
14) Bromoethene	3.71	108	415345	9.834	ppbv	98
15) Acetone	3.82	43	1075730	8.794	ppbv	100
16) 1,3-Butadiene	3.29	39	526838	9.519	ppbv	99
17) tert-Butyl alcohol	4.27	59	708313	7.343	ppbv	99
18) 1,1-Dichloroethene	4.27	96	451198	9.940	ppbv	99
19) Isopropyl Alcohol	3.94	45	549968	7.503	ppbv #	98
20) Methylene Chloride	4.32	84	390863	8.952	ppbv	98
21) Allyl Chloride	4.39	41	771046	9.953	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	444294	10.026	ppbv	94
23) Vinyl Acetate	5.06	43	1604622	9.782	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1193821	9.377	ppbv	99
25) Ethyl Acetate	5.67	43	2005967	9.489	ppbv	99
26) Hexane	5.68	57	907347	9.825	ppbv	99
27) Carbon Disulfide	4.53	76	1160074	10.753	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1280601	9.317	ppbv	99
29) Chloroform	5.75	83	1467632	9.441	ppbv	98
30) Cyclohexane	7.14	84	726585	10.284	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	933226	9.852	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1423274	9.265	ppbv	99
34) 2-Butanone	5.23	43	1330627	9.682	ppbv	99
35) Carbon Tetrachloride	7.02	117	1502227	9.424	ppbv	99
36) Benzene	6.90	78	1746604	9.675	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1209948	9.813	ppbv	99
38) Trichloroethene	7.85	130	678150	9.639	ppbv	99
39) 1,2-Dichloropropane	7.62	63	703293	9.654	ppbv	97
40) 1,4-Dioxane	7.84	88	219850	8.725	ppbv #	94
41) Tetrahydrofuran	6.04	42	717188	10.227	ppbv	99
42) Bromodichloromethane	7.81	83	1593150	10.212	ppbv	98
43) Methyl Methacrylate	8.02	69	801991	10.484	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3095221	9.812	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	946449	11.785	ppbv	95
46) cis-1,3-Dichloropropene	8.72	75	1101844	11.236	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	744553	9.680	ppbv	92
48) Dibromochloromethane	10.33	129	1303521	10.838	ppbv	100
49) Bromoform	13.08	173	1170579	11.154	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1993936	10.125	ppbv	99
51) 2-Hexanone	10.15	43	1660896	10.751	ppbv #	100
52) Tetrachloroethene	11.25	164	638440	9.573	ppbv	94
53) Toluene	9.83	91	2064637	10.806	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1151886	10.128	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	973556	10.061	ppbv #	61
57) Chlorobenzene	12.18	112	1586074	9.507	ppbv	96
58) Ethyl Benzene	12.74	91	2841150	10.557	ppbv	99
59) m/p-Xylene	13.02	91	4710022m	20.217	ppbv	
60) o-Xylene	13.73	91	2374934	10.076	ppbv	99
61) Styrene	13.56	104	1647211	11.265	ppbv	99
62) Isopropylbenzene	14.70	105	3446246	9.934	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1716489	9.238	ppbv	99
64) n-propylbenzene	15.60	120	902871m	10.380	ppbv	
65) tert-Butylbenzene	16.78	119	3005661	10.252	ppbv	99
66) Benzyl Chloride	17.03	91	1186162	12.514	ppbv	99
67) sec-Butylbenzene	17.33	105	4325601	10.125	ppbv	100
69) p-Isopropyltoluene	17.69	119	3577948	10.349	ppbv	99
70) n-Butylbenzene	18.59	91	3918521	10.365	ppbv	100
71) 2-Chlorotoluene	15.49	91	2703652	10.319	ppbv	100
72) 4-Ethyltoluene	15.88	105	2795645	10.652	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2642621	10.497	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2769691	10.121	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1571319	9.699	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1561486	10.073	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1537258	9.919	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1310886	10.136	ppbv	99
79) Naphthalene	22.26	128	2539599	12.349	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1052147	21.420	ppbv	96
81) 1,2,4-Trichlorobenzene	21.99	180	1458682	11.220	ppbv	99

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

