

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034785.D
 Acq On : 4 Mar 2020 7:52
 Operator : SY/AP
 Sample : VL0304ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0304ABS01

Manual Integrations
 APPROVED

apatel
 3/4/2020 4:45:37 PM

Quant Time: Mar 04 14:38:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 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	5.67	49	1041541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2174317	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.13	117	2381193	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1898403	9.56	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1307133	7.690	ppbv	99
3) Chlorodifluoromethane	2.96	51	1047932	8.831	ppbv	98
4) Chloromethane	3.11	50	574741	8.992	ppbv	97
5) Vinyl Chloride	3.23	62	568748	8.423	ppbv	99
6) Bromomethane	3.45	94	345356	9.372	ppbv	98
7) Chloroethane	3.53	64	217165	9.302	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	1341689	9.086	ppbv	99
9) Propene	2.98	41	414230	8.869	ppbv	100
10) Heptane	8.14	43	1177519	9.920	ppbv	99
11) Trichlorofluoromethane	3.93	101	1413819	9.296	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	959092	9.139	ppbv	98
13) Ethanol	3.58	45	119145	7.445	ppbv	98
14) Bromoethene	3.72	108	424855	9.866	ppbv	100
15) Acetone	3.83	43	1106544	8.872	ppbv	99
16) 1,3-Butadiene	3.30	39	545739	9.671	ppbv	100
17) tert-Butyl alcohol	4.28	59	945707	9.616	ppbv	99
18) 1,1-Dichloroethene	4.27	96	443433	9.581	ppbv	94
19) Isopropyl Alcohol	3.95	45	762684	10.206	ppbv	# 98
20) Methylene Chloride	4.33	84	397831	8.937	ppbv	95
21) Allyl Chloride	4.40	41	777618	9.845	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	440286	9.745	ppbv	99
23) Vinyl Acetate	5.07	43	1646516	9.845	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1187414	9.147	ppbv	100
25) Ethyl Acetate	5.68	43	2018068	9.363	ppbv	99
26) Hexane	5.69	57	893182	9.486	ppbv	98
27) Carbon Disulfide	4.54	76	1183016	10.755	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1282244	9.149	ppbv	100
29) Chloroform	5.76	83	1463240	9.232	ppbv	98
30) Cyclohexane	7.15	84	733389	10.181	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	953105	9.869	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	1397353	8.922	ppbv	98
34) 2-Butanone	5.24	43	1330486	9.406	ppbv	100
35) Carbon Tetrachloride	7.03	117	1481868	9.032	ppbv	100
36) Benzene	6.91	78	1770407	9.529	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1225142	9.654	ppbv	99
38) Trichloroethene	7.86	130	682994	9.432	ppbv	96
39) 1,2-Dichloropropane	7.64	63	716826	9.560	ppbv	95
40) 1,4-Dioxane	7.85	88	279799	10.789	ppbv	# 91
41) Tetrahydrofuran	6.05	42	715803	9.918	ppbv	100
42) Bromodichloromethane	7.82	83	1593015	9.921	ppbv	97
43) Methyl Methacrylate	8.04	69	800313	10.165	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034785.D
 Acq On : 4 Mar 2020 7:52
 Operator : SY/AP
 Sample : VL0304ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

Manual Integrations
 APPROVED

apatel
 3/4/2020 4:45:37 PM

Quant Time: Mar 04 14:38:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3131095	9.643	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	972752	11.769	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1135692	11.253	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	746352	9.428	ppbv	90
48) Dibromochloromethane	10.35	129	1297079	10.478	ppbv	100
49) Bromoform	13.09	173	1155801	10.700	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	1991919	9.828	ppbv	100
51) 2-Hexanone	10.16	43	1714343	10.782	ppbv #	99
52) Tetrachloroethene	11.27	164	636007	9.265	ppbv	96
53) Toluene	9.84	91	2040007	10.374	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1157459	9.888	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	907184	8.598	ppbv #	60
57) Chlorobenzene	12.19	112	1566608m	8.613	ppbv	
58) Ethyl Benzene	12.75	91	2797164	9.532	ppbv	97
59) m/p-Xylene	13.04	91	4769960m	18.778	ppbv	
60) o-Xylene	13.74	91	2326302	9.051	ppbv	100
61) Styrene	13.57	104	1642659	10.303	ppbv	99
62) Isopropylbenzene	14.71	105	3258337	8.614	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1699722	8.389	ppbv	99
64) n-propylbenzene	15.62	120	842843	8.887	ppbv	96
65) tert-Butylbenzene	16.80	119	2837592m	8.877	ppbv	
66) Benzyl Chloride	17.04	91	1363798	13.196	ppbv	99
67) sec-Butylbenzene	17.35	105	4071748	8.741	ppbv	99
69) p-Isopropyltoluene	17.71	119	3355471	8.901	ppbv	99
70) n-Butylbenzene	18.60	91	3640385	8.832	ppbv	99
71) 2-Chlorotoluene	15.51	91	2587049	9.055	ppbv	99
72) 4-Ethyltoluene	15.89	105	2712111	9.478	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2569622	9.362	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	2668648	8.943	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1516579	8.586	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1520134	8.994	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1485758	8.793	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1173312	8.320	ppbv	99
79) Naphthalene	22.27	128	2520295	11.239	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	564978	10.549	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1367174	9.645	ppbv	99

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

